

# DAKOTA GASIFICATION COMPANY

A BASIN ELECTRIC SUBSIDIARY

GREAT PLAINS SYNFUELS PLANT  
420 COUNTY ROAD 26  
BEULAH, NORTH DAKOTA 58523-9400  
PHONE: 701/873-2100  
FAX: 701/873-6404



September 15, 2015

Mr. Patrick Fahn  
Director, Compliance and Competitive Markets  
Public Service Commission  
600 East Boulevard, Dept. 408  
Bismarck, ND 58505-0480



**RE: Dakota Gasification Company, Case No. PU-07-184  
Post Construction Inspection**

Dear Mr. Fahn:

This letter is in response to the letter we received from you on August 20, 2015 requesting post construction information pertaining to our 2007 pipeline replacement project that crossed Lake Sakakawea. The project was located in Sections 21, 22, 27, 34 Township 154 North, Range 95 West, Williams and McKenzie Counties, North Dakota, with Section 16 being used as a temporary construction staging area.

The documents that were requested are as follows:

- A copy of the 404 permit to the Commission.
- A copy of the storm water permit
- A copy of the documentation that shows the ND State Land Department completed their final inspection and everything was satisfactory.
- A copy of the hydrostatic test and confirmation of the pressure at MAOP of 2700 psig.
- During the post construction inspection, the south shoreline had a large marker sign that had been overturned and on the north shore of the crossing. The main "Do Not Dredge" sign was found lying on the ground and needed repairing. The shoreline signs must be repaired and maintained.
- During the post construction inspection, a large amount of 4" mill wrap pipe was found lying within the crossing right-of-way on the north shore. The pipe should be hauled away and retired pipe should be removed.
- A copy of the documentation showing survival rate of the replacement trees and shrubs for three years after planting and have a survival rate of over 75%.
- A copy of all ND Game and Fish Department inspection information.

I have enclosed for your review the first four items as requested. Dakota Gasification Company does an annual right-of way and had made repairs to the large marker sign located on the south shore. DGC removed the 4" pipe prior to receiving this notice. I have enclosed our internal



September 15, 2015

Page 2

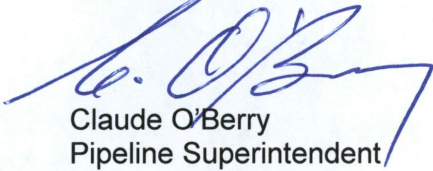
inspection sheet for this area from our 2014 inspection. It covers sections 16, 21 and 34, as sections 22 and 27 are located underwater.

I have also enclosed a list and location of the replacement trees and shrubs along with a status report as of 2015 indicating a survival rate of 83%, which exceeds the 75% required.

I have been in contact with the ND Game and Fish Department and they have been unable to provide any type of documentation that they performed any of the suggested random inspections as noted in the original permit.

If you need any more information or clarification on the provided documents, please feel free to contact me at 701-873-6155.

Sincerely,

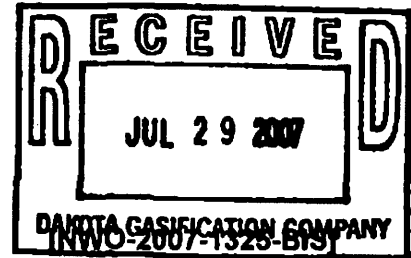


Claude O'Berry  
Pipeline Superintendent

CO/jg  
Enclosures



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, OMAHA DISTRICT  
NORTH DAKOTA REGULATORY OFFICE  
1513 SOUTH 12<sup>TH</sup> STREET  
BISMARCK ND 58504-6640  
July 26, 2007



*file  
BWP  
PLD*

Bob Fagerstrom, Plant Manager  
Dakota Gasification Company  
420 County Road 26  
Beulah, North Dakota 58523

Dear Mr. Fagerstrom:

Enclosed is Department of the Army Permit (NWO-2007-1325-BIS) for the proposed construction/installation of a new 14-inch diameter CO<sub>2</sub> pipeline that will cross Lake Sakakawea. The project is located in Lake Sakakawea at approximately Missouri River mile 1501.0, in Sections 21, 22, 27, 34, Township 154 North, Range 95 West, Williams and McKenzie Counties, North Dakota.

General Condition 1 establishes the time limit for completing work. The condition has been modified to reflect a completion date of July 25, 2010.

If you have any questions regarding this authorization, please feel free to contact me at the above address or by telephoning (701) 255-0015.

Sincerely,

*[Handwritten Signature]*  
Daniel E. Cimarosti  
Regulatory Program Manager  
North Dakota

Enclosure

*Dist. to Bob Weir  
cc: Rick Nelson  
Gary Low*

DEPARTMENT OF THE ARMY PERMIT

Permittee Dakota Gasification Company

Permit No. NWO-2007-1325-BIS

Issuing Office NORTH DAKOTA REGULATORY OFFICE

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

**Project Description:** The applicant proposes to install approximately 11,400 linear feet of new pipeline across Lake Sakakawea. The pipeline would be installed using the "lay barge" method of construction, where all pipe laying operations are conducted from a barge. A trench would be excavated to provide six feet of cover in the lake bottom. During excavation, the applicant proposes to place 200 feet of silt curtain on each side of the excavation/soil discharge area to minimize the movement of silt. The project would include discharging approximately 78,000 cubic yards of excavated material. This is based on a four-foot wide trench bottom, 2.5:1 side slopes, eight-foot trench depth, and a length of 11,400 feet. The excavated material would be placed on the west side (up-stream) of the trench. Once the pipes are in place on the trench bottom, the excavated material will be returned to the trench in "plugs" spaced approximately 250 feet apart. The plugs are for the purpose of fixing the pipes in proper orientation to prevent movement or displacement during subsequent backfilling operations. The trench would then be backfilled using the excavated spoil material. Once the new pipeline is backfilled, the abandoned portion of the pipeline (+/- 11,400 feet) would be pulled from the lake utilizing a 100-ton winch. All pipe and field joints would be coated with fusion bonded epoxy, abrasion resistant epoxy, and a two-inch concrete jacket weight coating.

**Project Location:** The project is located in Lake Sakakawea, Missouri River, within Sections 21, 22, 27 and 34, Township 154 North, Range 95 West, Williams and McKenzie Counties, North Dakota. Also referenced as approximate Missouri River mile 1501.0

**Permit Conditions:**

**General Conditions:**

1. The time limit for completing the work authorized ends on July 25, 2010. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

(General Conditions are continued on page 4)

Special Conditions: (SEE PAGES 4 – 7, Attachment A)

After a detailed and careful review of all of the conditions contained in this permit, the permittee acknowledges that, although said conditions were required by the Corps of Engineers, nonetheless the permittee agreed to those conditions voluntarily to facilitate issuance of the permit and the permittee will comply fully with all the terms of the permit conditions.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
  - (x) Section 10 of the River and Harbors Act of 1899 (33 U.S.C. 403).
  - (x) Section 404 of the Clean Water Act (33 U.S.C. 1344).
  - ( ) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).
2. Limits of this authorization.
  - a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal project.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
  - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.
  - e. Damage claims associated with any future modification, suspension, or revocation of this permit.

006 207 2007 12 49  
The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. **Reevaluation of Permit Decision.** This office may reevaluate its decision on this permit at any time circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. **Extensions.** General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



**DAKOTA GASIFICATION COMPANY**

7-23-07

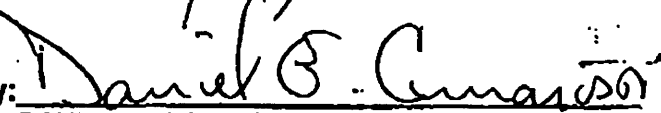
(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

**DAVID C. PRESS**  
(DISTRICT ENGINEER)  
COLONEL, CORPS OF ENGINEERS

25 July 2007  
(DATE)

By:



**DANIEL E. CIMAROSTI**  
STATE PROGRAM MANAGER

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE)

(DATE)

**SPECIAL CONDITIONS.**

**Environmental Conditions**

**[a]** During project construction silt curtains, for a length of 200 feet, shall be placed and maintained on each side of the excavation/soil storage area, in order to minimize the turbidity and the movement of silt.

**[b]** That to minimize impacts to fish spawning activities, no construction shall be undertaken from **April 15 through June 1**.

**[c]** That the permittee agrees to make every reasonable effort to prosecute the construction or work authorized herein in a manner so as to minimize any adverse impact of the construction or work on fish, wildlife, and natural environmental values.

**[d]** That all construction debris will be disposed of on land in such a manner that they cannot enter the waterway.

**[e]** That the permittee shall establish and carry out a program for immediate removal of debris during construction in order to prevent the accumulation of unsightly, deleterious and/or potentially polluted materials.

**[f]** That equipment for handling and conveying materials during construction shall be operated to prevent dumping or spilling the materials into the waterway, except as approved herein.

**[g]** That the clearing of vegetation will be limited to that which is absolutely necessary for construction of the project.

**[h]** That the permittee shall install and maintain erosion control measures, such as silt fences or erosion control blankets, throughout project construction.

**[i]** That measures will be employed to prevent or control spilled petroleum products, chemicals, or other deleterious materials from entering a waterway or wetland and, the permittee will formulate a contingency plan to be effective in the event of a spill.

**[j]** That steps will be taken to prevent materials spilled or stored on shore from washing into the water as a result of cleanup activities, natural runoff, or flooding, and that, during construction, any materials which are accidentally spilled into the water will be retrieved.

**[k]** That the use of machinery in the waterway will be kept to a minimum.

**[l]** That fuel storage tanks above ground shall be diked or curbed or other suitable means provided to prevent the spread of liquids in case of leakage in the tanks or piping.

#### **Navigational Conditions**

**[m]** No attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized by this permit.

**[n]** That when the District Engineer has been notified that this project is adversely affecting navigation or the public's right to utilize the waterway, and the District Engineer subsequently directs remedial measures, the permittee will comply with such directions as may be received to suspend or modify the project to the extent necessary to mitigate or eliminate the adverse effect as required.

**[o]** The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

#### **Water Quality Conditions**

**[p]** The North Dakota Department of Health (NDDH) certified that the project would not violate applicable State Water Quality Standards provided 1) inclusion of their construction and environmental disturbance requirements and 2) 200 feet of silt curtain must be placed on each side of the excavation/soil storage area to minimize the movement of silt. The NDDH's construction and environmental disturbance requirements have been attached to and made a part of this permit [Reference Attachment A].

**[q]** That the permittee agrees to prosecute the construction of work authorized herein in a manner so as to minimize any degradation of water quality.

**[r]** That all work in the waterway is performed in such a manner so as to minimize increases in suspended solids and turbidity, which may degrade water quality and damage aquatic life outside the immediate area of operation.

**[s]** That all areas disturbed or newly created by the construction activity, which will not be ripped, will be seeded with vegetation indigenous to the area for protection against subsequent erosion.

**[t]** That owners of water supply intakes, or other activities that may be affected by suspended solids and turbidity increases caused by construction activity in the watercourse, shall be given sufficient notice to allow preparation for any changes in water quality.

**[u]** That deposition of excavated materials on shore and all earthwork operations on shore will be carried out in such a way that sediment runoff and soil erosion to the water is controlled.

#### **Endangered Species Conditions**

**[v]** That the permittee shall report any threatened or endangered species at the project site. Notification shall be made to the North Dakota Regulatory Office (NDRO) by the telephone or fax within 24 hours. Written confirmation shall be provided within 48 hours if deemed necessary by the NDRO.

#### **Cultural Resource Conditions**

**[w]** That the permittee and contractor, or any of the employees, subcontractors or other persons working in the performance of the contract and/or contracts shall immediately cease work and report the discovery of subsurface features to the North Dakota State Historic Preservation Office [ND SHPO] and NDRO. Work shall not resume until notified by the NDRO.

**[x]** That the permittee and contractor, or any of the employees, subcontractors or other persons working in the performance of the contract and/or contracts shall immediately report the discovery of possible scientific, prehistorical, historical, or archaeological data, giving the location and nature of the findings to the ND SHPO and NDRO. Written confirmation shall be forwarded to NDRO within two (2) calendar days.

### Engineering Conditions

**[y]** That the permittee is authorized to construct 11,400 linear feet of 14-inch diameter steel pipeline across Lake Sakakawea, approximately 100 feet west of the existing pipeline.

**[z]** That the permittee shall notify the District Engineer at what time the activity authorized herein will be commenced, as far in advance of the time of commencement as the District Engineer may specify, and of any suspension of work, if for a period of more than one week, resumption of work and its completion.

**[aa]** That the permittee is responsible for ensuring all contractors or others executing the project authorized by this permit have knowledge of the terms and conditions of the permit; and that a copy of the permit is physically located at the project site during construction operations.

**[bb]** That the NDRO shall be notified, in writing, and through verbal communication of any changes in the project design. No changes in design which impacts the waterway shall be undertaken without prior Corps authorization.

**[cc]** That the permittee is responsible for ensuring all construction equipment utilized in the completion of the project authorized by this permit complies with OSHA regulations.

**[dd]** That the permittee is responsible for ensuring all contractors and others executing the project authorized by this permit are provided safety equipment sufficient to comply with OSHA regulations.

**[ee]** The time limit for completing the work authorized will be three years from the effective date. If more time is needed to complete the authorized activity, a request for a time extension must be submitted to the NDRO for consideration at least one month before the above date is reached.

**STATE OF NORTH DAKOTA  
BOARD OF UNIVERSITY & SCHOOL LANDS**

The State of North Dakota acting through the Board of University and School Lands (PERMITTER), in consideration of \$4,600.00, which has been received, conveys to Dakota Gasification Company, Great Plains Synfuels Plant, 420 County Road 26, Beulah, ND 58523-9400 (PERMITTEE), a permit for a temporary construction area with the right of ingress and egress, over certain land in the SE4 of Section 16, T154N, R95W, Williams County, North Dakota, hereafter referred to as the "permit area", which is described as follows:

Commencing at the southeast section corner; thence 120 feet along the south section line to the Point of Beginning; thence 200 feet west along the south section line to a point; thence north 500 feet and parallel with the east section line to a point; thence east 200 feet and parallel with the south section line to a point; thence south 500 feet and parallel with the east section line to the Point of Beginning. The permit area contains 2.30 acres, more or less. The permit area is further described and illustrated in Exhibit "A" which is attached to and is a part of this permit.

This permit is granted for the purpose a temporary construction area for the rebuilding of the Dakota Gasification Company CO<sub>2</sub> pipeline across Lake Sakakawea and shall be subject to the following stipulations:

1. PERMITTEE shall make a satisfactory settlement with the surface tenant for damage to seeded annual crops, fences or other improvements owned by the tenant, caused by construction, operation, maintenance or removal of the temporary construction area and shall notify the surface tenant of the construction schedule at least one week before construction.
2. PERMITTEE shall, prior to construction, maintenance or removal, reserve the top 8 inches of soil from areas subject to topsoil and subsoil mixing. The reserved soil must be stockpiled to minimize wind and water erosion. Upon completion of construction, and maintenance or removal, PERMITTEE shall promptly reclaim the disturbed area. It must be recontoured to conform to the adjacent natural topography, the reserved soil must be evenly respread over the disturbed area, and the entire disturbed area must be revegetated with a mixture of native perennial grasses as shown in Exhibit "B". Reclamation is not complete until erosion is controlled and the surface is revegetated with a mixture of native perennial grasses.
3. PERMITTEE may cut or trim trees and shrubs, but only to the extent they interfere with or endanger the operation or maintenance of the temporary construction area.
4. PERMITTEE shall maintain the natural water flow and drainage.
5. PERMITTEE shall implement reasonable measures to prevent accelerated erosion. If an erosion problem develops, PERMITTEE shall promptly take the necessary actions to correct it and shall repair any erosion damage.
6. If, prior to or during construction, archeological or paleontological items are discovered or such items are disturbed, PERMITTEE shall cease construction activities immediately. PERMITTEE shall then promptly notify PERMITTER and must not resume construction until written approval is given by PERMITTER.
7. Through this permit, PERMITTEE is not acquiring any subsurface interest. Subsurface interests include, but are not limited to oil, gas, coal, cement materials, sodium sulfate, sand and gravel, scoria, road material, building stone, chemical substances, metallic ores, uranium ores, or colloidal or other clays.
8. PERMITTEE, or its agent, shall have a legible copy of this permit with them on site for reference during construction, operation, maintenance or reclamation and shall present the copy upon PERMITTER's request.
9. PERMITTER neither warrants nor agrees to defend title to the permit area.

GP

TEMPORARY CONSTRUCTION AREA PERMIT

ROW #4995 (Pg 2)

10. PERMITTER reserves the right to use the permit area and to allow others to use the permit area for purposes compatible with PERMITTEE's use. If someone other than PERMITTER uses the permit area in a manner inconsistent with PERMITTEE's use, PERMITTER is not liable or responsible.
11. This permit is not transferable and shall not be filed for record.
12. This permit is subject to all of the PERMITTER's existing rights and privileges.
13. This permit shall automatically expire on December 31, 2007, or upon completion of construction and reclamation, whichever occurs earlier.
14. PERMITTEE agrees to defend, indemnify and hold harmless PERMITTER from any claims by any person that are in any way related to PERMITTEE's use of the permit area, including all costs, expenses, and attorney fees that in any manner result from or arise out of this agreement. It is PERMITTEE's exclusive right and responsibility to construct, maintain, and remove the temporary construction area. PERMITTEE further accepts liability and indemnifies PERMITTER, and its officers and employees, from all costs, expenses and attorneys fees incurred in establishing and litigating the indemnification coverage provided above. The legal defense provided by PERMITTEE to the PERMITTER under this paragraph must be free of any conflicts of interest, even if this requires PERMITTEE to retain separate legal counsel for PERMITTER. The obligations of this paragraph shall continue after this agreement terminates.
15. This permit is also subject to the conditions in Exhibits "A" & "B", which are attached and made a part of this permit.

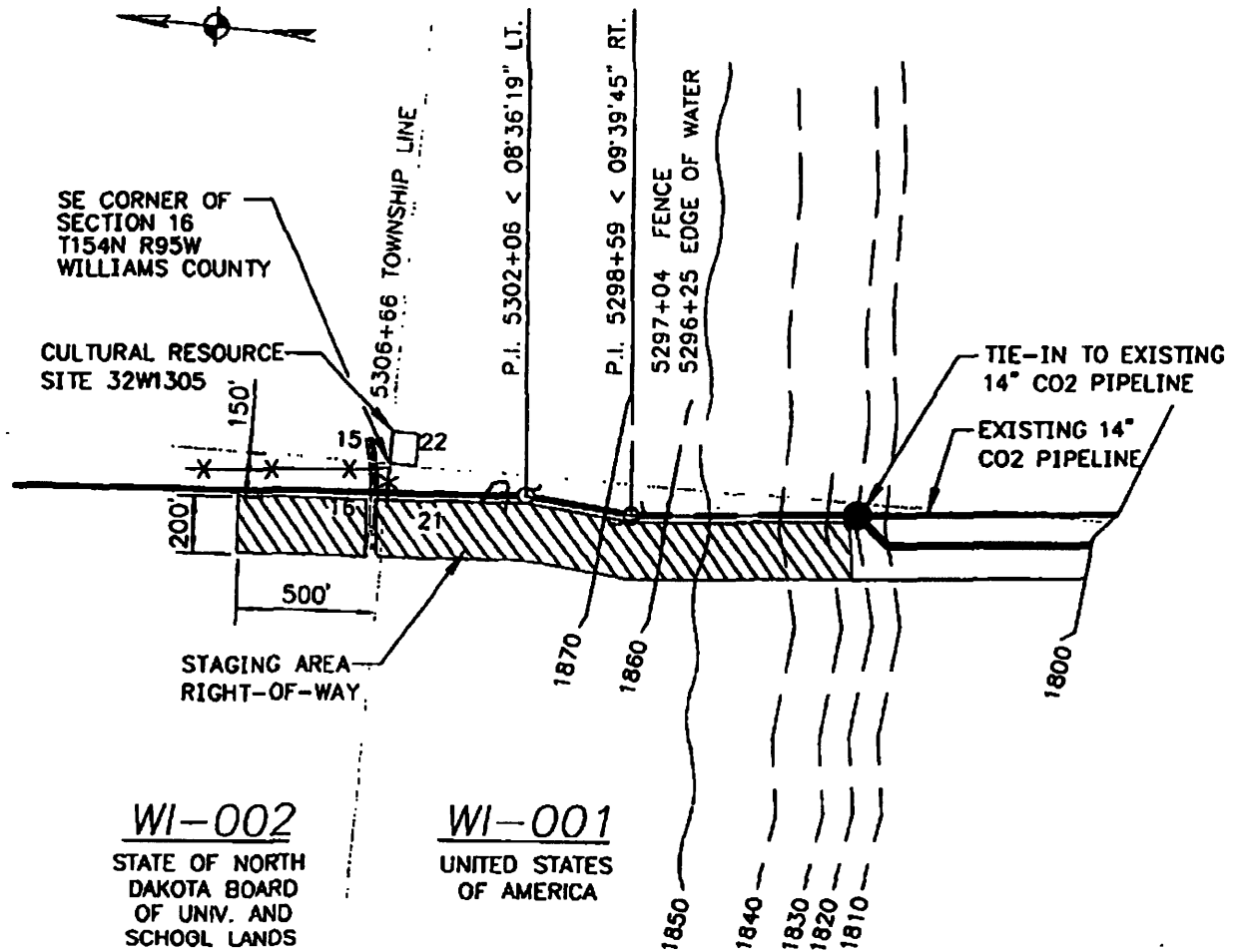
Dated this 29th day of June, 2007, at Bismarck, North Dakota.

PERMITTER:

STATE OF NORTH DAKOTA  
BOARD OF UNIVERSITY & SCHOOL LANDS



Gary D. Presler, Commissioner  
of University and School Lands



WI-002  
STATE OF NORTH  
DAKOTA BOARD  
OF UNIV. AND  
SCHOOL LANDS

WI-001  
UNITED STATES  
OF AMERICA

THIS DRAWING IS THE PROPERTY OF THE DAKOTA GASIFICATION COMPANY  
AND MAY NOT BE COPIED OR USED WITHOUT PRIOR AUTHORIZATION.



DAKOTA GASIFICATION COMPANY  
P.O. BOX 1149  
BEULAH, ND 58523

CO<sub>2</sub> PIPELINE  
LAKE SAKAKAWEA CROSSING  
FIGURE 1

NORTH DAKOTA  
DEPARTMENT OF UNIVERSITY & SCHOOL LANDS

Native Grass Seeding Specifications

<u>Species</u>	<u>lbs.</u> <u>PLS*/acre</u>	<u>% of</u> <u>Mixture</u>
Western wheatgrass	8	42%
Slender wheatgrass	5	26%
Green needlegrass	4	21%
Side-oats grama	<u>2</u>	<u>11%</u>
	19	100%

\*PLS - Pure Live Seed (based on 50 PLS/sq. feet)

1. The seed bed should be firmly packed (footprints left in the soil should be less than 1/2 inch deep).
2. An early spring seeding (before May 24th) is preferred. A dormant fall seeding (after October 20th) is acceptable.
3. A cover crop of oats at 10 lbs. PLS/acre must be seeded on the disturbed area.
4. A drill designed specifically for native grass seeding will give the best seeding results. The seed should be planted at a depth of 1/2 to 1 inch. Precaution must be taken not to plant the seed too deeply in the soil or poor germination will result.
5. On areas where equipment cannot be used, broadcast seed and rake or drag to cover seed. Where seed is broadcast, double the seeding rate.
6. Use only North Dakota certified seed.



**NORTH DAKOTA**  
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION  
Gold Seal Center, 918 E. Divide Ave.  
Bismarck, ND 58501-1947  
701.328.5200 (fax)  
www.ndhealth.gov



*File*

July 3, 2007

Rick A. Nelson, P.E.  
Senior Environmental Engineer  
Dakota Gasification Company  
420 County Road 26  
Beulah ND 58523

*Doc  
DWP  
RN  
KS  
BLW*

RE: **Notice of Coverage** under  
Stormwater General Permit NDR10-1906

Dear Mr. Nelson:

We have received your application for coverage under a North Dakota Pollutant Discharge Elimination System (NDPDES) general permit for stormwater discharges from construction activity. Your project has been assigned permit number:

<u>Permit #</u>	<u>Site name</u>
NDR10-1906	CO2 Pipeline Lake Sakakawea Crossing

It is the permittees obligation to implement a Stormwater Pollution Prevention (SWPP) plan that meets all requirements of the permit. The SWPP plan must be amended whenever it is found to be ineffective in controlling pollutants in stormwater discharges, or whenever there is a change in design, construction, operation, or maintenance of controls implemented to minimize the potential discharge of pollutants. Please remember to inspect, maintain and adjust the best management practices (BMPs) and temporary structures until the site is stabilized following construction activities. Once the site is stabilized as outlined in the general permit, you may file for termination of permit coverage. A copy of the general permit and related information can be found on our web site at:

<http://www.health.state.nd.us/wq/Storm/Construction/ConstructionHome.htm>

Cities or counties may impose additional requirements and/or specific BMPs for construction affecting their storm drainage system. Please check with the local officials to be sure all local storm water management considerations are addressed.

Should you have any questions, please contact me at (701) 328-5239.

Sincerely,

Randy Kowalski  
Environmental Scientist  
Division of Water Quality

Cc: Joe Wilkenson, Pentzien Inc

Environmental Health  
Section Chief's Office  
701.328.5150

Division of  
Air Quality  
701.328.5188

Division of  
Municipal Facilities  
701.328.5211

Division of  
Waste Management  
701.328.5166

Division of  
Water Quality  
701.328.5210



**APPLICATION (NOTICE OF INTENT) TO OBTAIN  
COVERAGE UNDER NDPDES GENERAL PERMIT  
FOR STORM WATER DISCHARGES ASSOCIATED  
WITH CONSTRUCTION ACTIVITY (NDR10-0000)**

NORTH DAKOTA DEPARTMENT OF HEALTH  
DIVISION OF WATER QUALITY  
SFN 19145 (2/05)

FOR DEPT. USE ONLY

Date Received

Application No.

**GENERAL INFORMATION**

Name of Owner of Construction Project <b>Dakota Gasification Company</b>		Contact Person Name <b>Rick Nelson</b>	Contact Phone No. <b>701-873-6613</b>	
Mailing Address <b>420 County Road 26</b>		City <b>Beulah</b>	State <b>ND</b>	Zip Code <b>58523</b>
Type of Owner or Operator	<input type="checkbox"/> Developer/Builder <input type="checkbox"/> State of ND	<input type="checkbox"/> General Contractor <input type="checkbox"/> Federal	<input type="checkbox"/> Municipality <input checked="" type="checkbox"/> Other (Specify): Industrial	
This NOI is to obtain coverage under Small Construction Activity (see Part I.D of permit):		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Small Construction Activity requires the submittal of an Annual Location Record as per Part III.B of the permit
Name of Construction Project (Large Construction Activity Only) <b>Dakota Gasification Company (DGC) CO2 Pipeline Lake Sakakawea Crossing</b>				
Brief Description of Construction Activity (Please fill out for both Large and Small Construction Activity) <b>The project is to relocate the DGC CO2 pipeline across Lake Sakakawea to provide a minimum of six feet of cover over the 14-inch line. The work areas covered by this permit will include a 10.3-acre staging area on the north side of the lake and a 5.5-acre staging area on the south side of the lake (see attached U.S. Army Corps of Engineers 404 Permit application).</b>				

**LARGE CONSTRUCTION ACTIVITY INFORMATION (Skip for small construction activity)**

Name of Operator Working at Site (i.e. general contractor, if known) <b>Pentzien, Inc.</b>		Contact Person Name <b>Joe Wilkenson</b>	Contact Phone No. <b>402-397-7800</b>		
Mailing Address <b>Mark 70 Building, 8969 Grover Street</b>		City <b>Omaha</b>	State <b>NE</b>	Zip Code <b>68106</b>	
Project Start Date: <b>July 9, 2007</b>	Estimated Completion Date: <b>November 1, 2007</b>	Estimated Area of Total Disturbance in Acres: <b>15.8</b>			
Project Location	Street	City			
	OR	(see attached permit application) $\frac{1}{4}$ $\frac{1}{4}$	Section <b>16, 21, &amp; 34</b>	Township <b>154</b>	Range <b>95</b>
Receiving Waters	<input checked="" type="checkbox"/> Natural Surface Drainage		Name or Description of Receiving Waters <b>Lake Sakakawea</b>		
	OR	<input type="checkbox"/> Municipal Storm Sewer	Name of City		

**Signature Information**

<b>RETURN COMPLETED APPLICATION TO:</b>  North Dakota Department of Health Division of Water Quality, 4 <sup>th</sup> Floor 918 East Divide Avenue Bismarck, ND 58501-1947  Telephone: (701) 328-5210 Fax: (701) 328-5200	I certify that I am familiar with NDR10-0000 and NDCC 61-28-08, and with the possibility of fines and imprisonment for submitting false information. To the best of my knowledge and belief, the information in this application is true, complete, and accurate.	
	Printed name of Owner(s) <b>Rick A. Nelson, P.E.</b>	Title <b>Senior Environmental Engineer</b>
	Signature of Owner(s) 	Date <b>7/2/07</b>
	Printed name of Operator(s)	Title
	Signature of Operator(s)	Date

(Attach additional pages if needed)

**DAKOTA GASIFICATION COMPANY**

A BASIN ELECTRIC SUBSIDIARY

GREAT PLAINS SYNFUELS PLANT  
420 COUNTY ROAD 26  
BEULAH, NORTH DAKOTA 58523-9400  
PHONE: 701/873-2100  
FAX: 701/873-6404

November 21, 2007

Mr. Randy Kowalski  
Division of Water Quality  
North Dakota Department of Health  
918 East Divide Avenue  
Bismarck, ND 58501-1947

Dear Mr. Kowalski:

Attached is the Notice of Termination To Cancel Coverage Under (NDPDES) General Permit For Storm Water Discharges Associated With Construction Activity (NDR10-0000) for the Dakota Gasification Company CO<sub>2</sub> Pipeline Lake Sakakawea Crossing.

If you have any questions regarding this Notice of Termination, please contact me at (701) 873-6613.

Sincerely,

/s/

Rick A. Nelson, P.E.  
Senior Environmental Engineer

ran/paw  
ATTACHMENT  
c: 9850-RAN-07-046

Mr. Randy Kowalski  
November 21, 2007  
Page 2

bc: B. Fagerstrom  
D. Peightal  
B. Weir



**NOTICE OF TERMINATION TO CANCEL COVERAGE UNDER  
(NDPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES  
ASSOCIATED WITH CONSTRUCTION ACTIVITY (NDR10-0000)**

NORTH DAKOTA DEPARTMENT OF HEALTH  
DIVISION OF WATER QUALITY  
SFN 19146 (2/05)

FOR DEPT. USE ONLY

Date Received: \_\_\_/\_\_\_/\_\_\_

**GENERAL INFORMATION**

Name of Construction Project Dakota Gasification Company CO2 Pipeline Lake Sakakawea Crossing			Permit Number <b>NDR10-1906</b>
Name of Owner or Operator of Construction Project Dakota Gasification Company		Contact Person Rick Nelson	Telephone Number 701-873-6613
Mailing Address 420 County Road 26	City Beulah	State ND	Zip Code 58523
This Notice is to terminate coverage for all Small Construction Activity (see Part I.D of permit):			
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			There are special reporting requirements for Small Construction Activity in Part I.E and III.B of the permit.

**LOCATION (Large Construction Activity Only)**

SITE LOCATION	Street		City			
	OR	1/4 1/4	Section 16, 21, & 34	Township 154	Range 95	County Williams

**CERTIFICATION STATEMENT**

I certify under penalty of law that for the construction project(s) and permit described above:

As of November 21, 2007, disturbed soils at the identified site(s) have been finally stabilized. Seventy-percent restored vegetative coverage as compared to pre-existing vegetation has been achieved, and temporary erosion control measures have been removed. All storm water discharges associated with construction activity from the identified site, authorized by a NDPDES general permit, have been eliminated.

I understand that by submitting this Notice of Termination, that I am no longer authorized to discharge storm water associated with construction activity by the general permit, and that discharging pollutants in storm water to waters of North Dakota is unlawful under North Dakota Century Code 61-28 where the discharge is not authorized by a NDPDES permit.

<b>Return Complete Application to:</b>  North Dakota Department of Health Division of Water Quality, 4 <sup>th</sup> Floor 918 East Divide Avenue Bismarck, ND 58501-1947  Telephone: (701) 328-5210 Fax: (701) 328-5200	I certify that I am familiar with NDR10-0000 and NDCC 61-28-08, and with the possibility of fines and imprisonment for submitting false information. To the best of my knowledge and belief, the information in the application is true, complete, and accurate.	
	Printed Name of Permittee(s) Rick Nelson	Title Senior Environmental Engineer
	Signature of Permittee(s) 	Application Date 11/21/07

(Attach additional pages if needed)

**RECLAMATION INSPECTION**  
**ND DEPARTMENT OF TRUST LANDS**

LEGAL	Cty	Sec	Twn	Rng	Subdivision	ROW#	Type of Project
	WIL	16	154	95	SE4	4995	TEMPS

INSPECTION NOTES
<p><b>Purpose of Inspection:</b> Check on reclamation.</p> <p><b>Revegetation/Native Species:</b> There is a nice stand of grasses established. I found western wheatgrass, slender wheatgrass, green needlegrass, and sideoats gramma present, as well as other native grasses.</p> <p><b>Tame Grass (seeded or invading from adjacent land?)</b> There is a lot of smooth broegrass and crested wheatgrass coming, but it is in the surrounding area.</p> <p><b>Soil Reservation:</b> Adequate soil is on place.</p> <p><b>Noxious Weeds:</b> None</p> <p><b>Erosion:</b> None</p> <p><b>Contamination:</b> None</p> <p><b>Hazardous Conditions:</b> None</p> <p><b>Instructions:</b> <i>All facilities must be constructed on the survey centerline except section line roads. Section line roads must have the section line as the centerline of the road. The road may not be shifted to the trust land side to avoid adjacent private or Federal land. Please be specific in your location descriptions.</i></p> <p><b>Constructed on survey centerline as required, be specific?:</b> Yes</p> <p><b>Comments:</b> This project is a few years old, and was issued as a temporary staging area for the reconstruction of the CO2 pipeline. With that in mind there probably wasn't a lot of disturbance so it is expected that the site would look nice.</p> <p><b>Reclamation Status:</b> This is the final inspection on the reclamation of this ROW.</p> <p style="text-align: center;"><b>Remember to update the "note" box in Surf with comments, initials and date of inspection.</b></p>

GPS location of pictures taken, soil stockpiles or other documented items		
GPS	Picture #	Description

Cory Barth  
 Inspector's Signature

08/27/2015  
 Date



# PLR-37 PIPELINE PRESSURE TEST REPORT

W.O. Number: 40501202	Pipeline: <input type="checkbox"/> SNG <input checked="" type="checkbox"/> CO <sub>2</sub>	Reference Procedure #: 042
--------------------------	---	-------------------------------

Description of Work:  
Pentzien's hydro test on the replacement 14" lake crossing Co2 piping.

Required Test Pressure	Actual Test Pressure	Temperature of Test Medium or Pipe
Minimum 3375 PSI	3381 PSI	Start: 64°F
Maximum PSI	PSI	Finish: 58°F
Test Gauge ID: See attached calibration sheets for info.	Date:	Test Medium: Lake water
S/N		
Range	Start Time:	
Calibrated	Finish Time:	

Test Witnessed and Accepted by DGC: Tim Rogness Date: 9-26-07

Remarks:  
See attached records for details.

### RECORDS CHECKLIST

- Pressure recording charts
- Test instrument calibration data
- Name of operator, name of person responsible for making the test, and name of test company used, if any
- Date and time of the test
- Minimum test pressure
- Test medium
- Description of facility tested and test apparatus
- An explanation of any pressure discontinuities, including test failure, that appear on the pressure recording charts.
- Where elevation differences in the section under test exceed 100 feet, a profile of the pipeline that shows elevation and test sites over entire length of test section
- Temperature of the test medium of pipe during the test period.





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0003F615.pdf



0003F614.pdf



**BJ Process and Pipeline Services**

4101 Oates Road (77013)  
P O Box 23656  
Houston, TX 77228-3656

**CERTIFICATED OF TEST AND CALIBRATION**

EQUIPMENT ON TEST  
MANUFACTURER  
MODEL  
SERIAL NUMBER  
ID #

SHAW DEWPOINT METER  
SHAW  
GRAY SPOT SENSOR  
11923  
DP11

**OUR REFERENCE**

CYLINDER #  
FILL PRESSURE  
PURE MATERIAL NITROGEN  
PURITY  
HO2

BAL 774  
2000 PSIG  
GRADE UHP  
99 9995  
2PPM

**TEST RESULTS**

	SET UP	ACTUAL READ	ACCURACY
HO2	2PPM	2PPM	0-1000PPM (v)+/-3C
DP C	-72C	-72C	
CALIBRATION DATE	July 26 2006		

This unit has been calibrated using procedures described in the manufactures operation manual  
And verify using Certified Nitrogen

SENIOR ELECTRONIC TECHNICIAN

Houston Texas 77009 USA

**HYDROSTATIC TESTING PROCEDURE  
FOR  
DAKOTA GASIFICATION COMPANY  
14" LAKE SAKAKAWEA CO2 PIPELINE CROSSING**

The following Hydrostatic Testing Procedure will be performed during the installation of the 14" Lake Sakakawea CO2 Pipeline Crossing using surface water pumped from Lake Sakakawea and returned as authorized by NDPDES Permit No. NDG 070175. All testing will comply with Code of Federal Regulations Title 49-49CFR 195.304 and 195.310. (See attached)

**EQUIPMENT SCHEDULE**

Re applicable Code of Federal Regulations guidelines, the following hydrostatic testing equipment will be used to perform the specified MOAP test pressure of 1.25 x 2700 psi or 3375 psi.

1. Certified pressure recording gauges w/charts
2. Certified calibrated ambient and pipe temperature recorders w/charts
3. Certified dead weights
4. Pressure gauges
5. Fill pump and hose capable of pumping a minimum of one thousand (1000) gallons per minute to a pressure of two hundred fifty (250) psi
6. V-slot strainer system between the fill pump and pipeline equipped with mesh screen capable of removing particles one hundred sixty (160) microns and larger. Filter permits back flushing or change without interruption of the pumping operation.
7. Gaso high pressure pump - horizontal triplex plunger pump-maximum working pressure of 4050 psi, 34.42 gal/min @ 300 rpm, stroke counter (.11475 gal/rpm)
8. High pressure valves, weldolets and couplings
9. Bi-directional foam/vinyl pigs

**HYDROSTATIC PRETEST**

As the North Shore welding of the 10 lake crossing pull sections progresses, 3 or more completed sections will be connected in series with test manifolds and hydrostatically pretested as follows.

1. Required test manifolds will be fabricated on-site by the Contractor using project 14" x .500 wall pipe furnished by the Owner.
2. Test sections will be filled with lake surface water for test medium.

**HYDROSTATIC TESTING PROCEDURE  
FOR  
DAKOTA GASIFICATION COMPANY  
14" LAKE SAKAKAWEA CO2 PIPELINE CROSSING**

3. Prior to preceding with the high pressure pump, a 15 minute, 500 pound, leak test will be performed and inspected for leaks.
4. The 10 individual pipe sections will be pretested at 3375 psi for a minimum of one hour.
5. Dead weight gage readings will be recorded at 15 minute intervals during the test.
6. Test water will be vacated and returned to the lake.

**HYDROSTATIC IN-PLACE TEST**

After completion of the lake crossing pull and prior to the final tie-in welds, the in-place pipeline will be hydrostatic tested as follows.

1. The complete in-place pipeline will be filled with lake surface per pretest operations.
2. After the test water has been allowed to stabilize, the 3375 psi hydrostatic pressure will be developed and held for an eight hour minimum test period without pressure loss or gain unless correlated to temperature change.
3. Dead weight gauge reading will be recorded at 15 minute intervals during the hydrostatic test.
4. Test water will be vacated and returned to the lake.
5. Upon completion of the hydrostatic testing, Contractor shall submit a summary of all test results to Dakota Gasification Company for their permanent records. Test data shall include Dead Weigh Gauge Readings, Recorder Charts, Instrument Calibration Certificates and other pertinent information.

[Code of Federal Regulations]  
[Title 49, Volume 3]  
[Revised as of October 1, 2005]  
From the U.S. Government Printing Office via GPO Access  
[CITE: 49CFR195.304 and 195.310]

[Page 182 and 183]

## TITLE 49 –TRANSPORTATION

### CHAPTER I—PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION, DEPARTMENT OF TRANSPORTATION (CONTINUED)

#### PART 195 \_ TRANSPORTATION OF HAZARDOUS LIQUIDS BY PIPELINE – Table of Contents

##### Subpart E\_Pressure Testing

###### Sec. 195.304 Test pressure.

The test pressure for each pressure test conducted under this subpart must be maintained throughout the part of the system being tested for at least 4 continuous hours at a pressure equal to 125 percent, or more, of the maximum operating pressure and, in the case of a pipeline that is not visually inspected for leakage during the test, for at least an additional 4 continuous hours at a pressure equal to 110 percent, or more, of the maximum operating pressure.

[Amdt. 195-51, 59 FR 29384, June 7, 1994. Redesignated by Amdt. 195-65, 63 FR 59480, Nov. 4, 1998]

###### Sec. 195.310 Records.

- (a) A record must be made of each pressure test required by this subpart, and the record of the latest test must be retained as long as the facility tested is in use.
- (b) The record required by paragraph (a) of this section must include:
  - (1) The pressure recording charts;
  - (2) Test instrument calibration data;
  - (3) The name of the operator, the name of the person responsible for making the test, and the name of the test company used, if any;
  - (4) The date and time of the test;
  - (5) The minimum test pressure;
  - (6) The test medium;
  - (7) A description of the facility tested and the test apparatus;
  - (8) An explanation of any pressure discontinuities, including test failures, that appear on the pressure recording charts;
  - (9) Where elevation differences in the section under test exceed 100 feet (30 meters), a profile of the pipeline that shows the elevation and test sites over the entire length of the test section; and
  - (10) Temperature of the test medium or pipe during the test period.

[Amdt. 195-34, 50 FR 34474, Aug. 26, 1985, as amended by Amdt. 195-51, 59 FR 29385, June 7, 1994; Amdt. 195-63, 63 FR 37506, July 13, 1998; Amdt. 195-78, 68 FR 53528, Sept. 11, 2003]

DOT 8 hr Hydrotest

HYDROSTATIC TEST  
DATA SHEET

DATE 9-26-07

PIPELINE LAKE SAKAMAWEA DGC

8 HR Section FINAL TEST 14" Q02 LINE

Pressure Recorder M5760  
M5759

Temp Recorder 242R47428

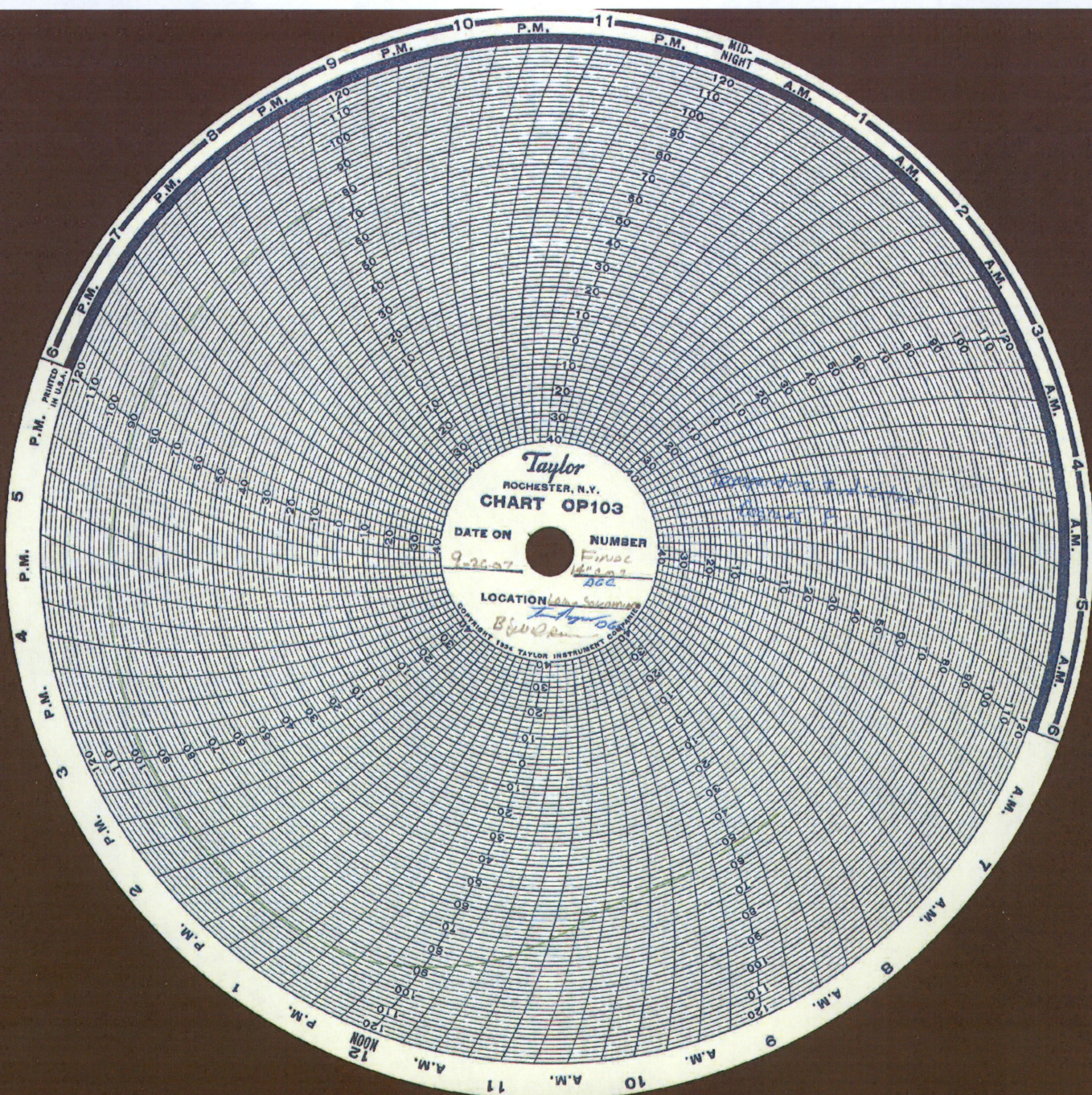
Dead WT 7326

Time	Pressure	Temp	Amb Temp	Remarks
0830	200	54	50	START w/200 <sup>psi</sup>
0840	500	54	50	STOPPED CHECK FOR LEAKS None
0910	500	54	52	CHANGED PRESSURE RECORDER to M5759
0920	500	54	52	START PUMP
0930	1010	54	52	PUMPING UP
0945	1420	55	52	PUMPING UP
0948	1502	55	52	STOPPED CHECK FOR LEAKS None
1000	1865	55	52	PUMPING UP
10:15	1510	56	54	PUMPING UP
10:30	2216	59	56	PUMPING UP
10:45	2430	64	57	PUMPING UP
11:00	2605	68	58	PUMPING UP
11:15	2800	73	59	PUMPING UP
11:30	3092	80	60	PIPE TEMP CHANGE DUE TO TEST PUMP
11:45	3130	83	60	PUMPING HOT WATER
12:00	3250	87	62	PUMPING HOT WATER
12:15	3340	95	62	TEST PUMP QUM HEATING
12:30	3349	95	62	TEST PUMP QUM HEATING
12:45	3330	97	62	PUMPING UP
13:00	3381	97	64	ON TEST
13:15	3381	97	64	HOLDING
13:30	3388	98	64	Pumped up
13:45	3399	98	68	HOLDING
14:00	3388	98	70	HOLDING
14:15	3388	98	70	HOLDING
14:30	3388	97	67	HOLDING
14:45	3388	97	70	HOLDING
15:00	3388	97	70	HOLDING
15:15	3388	97	68	HOLDING
15:30	3388	96	66	HOLDING
15:45	3388	95	65	HOLDING
16:00	3388	94	65	HOLDING
16:15	3388	93	65	

Contractor Supervisor J. L. Williams

Company Supervisor T. [Signature] DGC





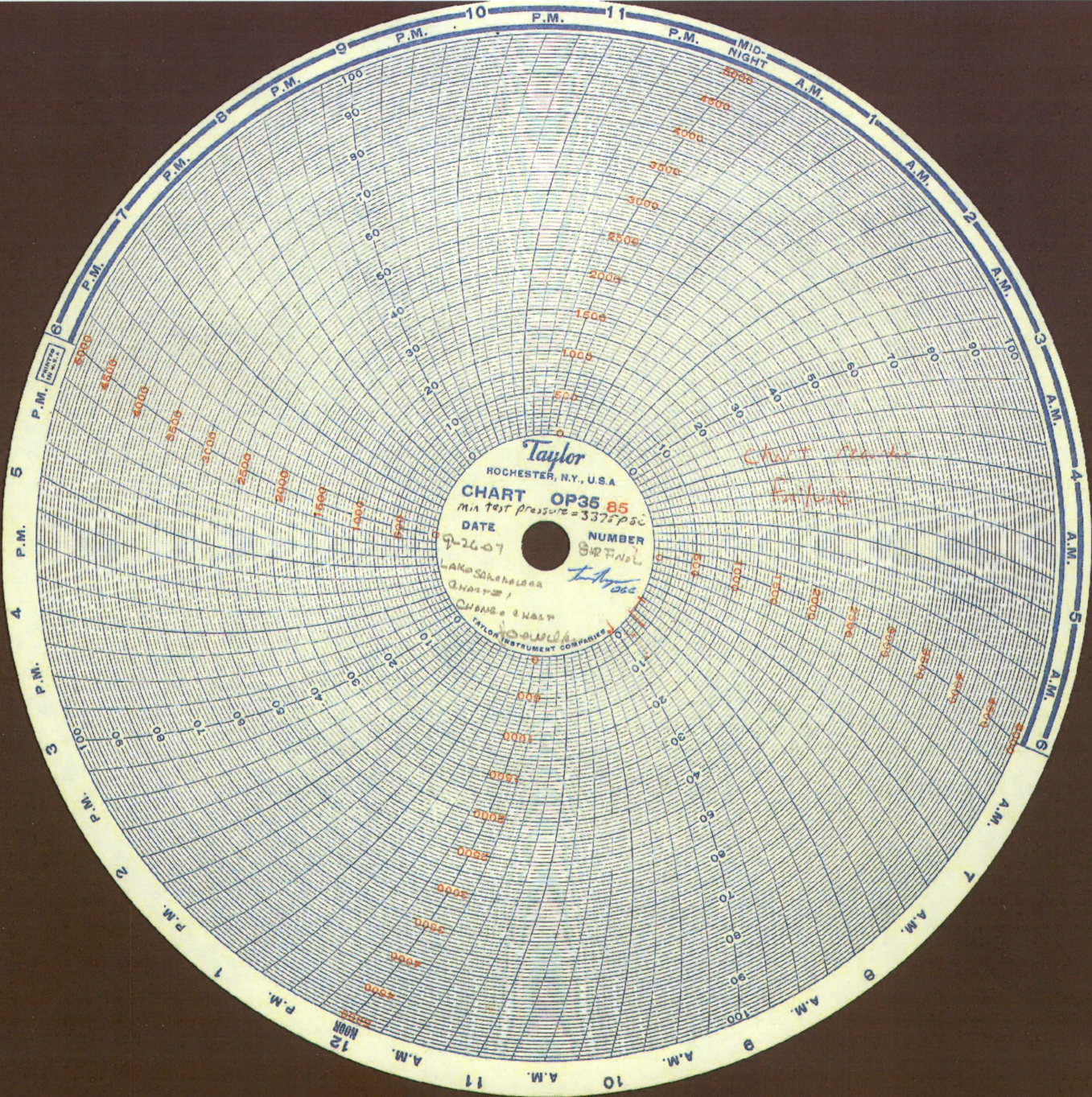
**Taylor**  
ROCHESTER, N.Y.  
**CHART OP103**

DATE ON	NUMBER
9-26-27	Final
	1482
	262

LOCATION *Blue Springs*  
*Blue Springs*

COPYRIGHT 1928 TAYLOR INSTRUMENT COMPANY





**Taylor**  
ROCHESTER, N.Y., U.S.A.  
**CHART OP35 85**  
MIN TEST PRESSURE = 337.7 P.S.I.  
DATE 9-26-07 NUMBER 817 P.N.S.L.  
LAKE SHERWOOD (WASH. ST.)  
CHAMBERS WASH.  
TAYLOR INSTRUMENT COMPANY

Chart blank  
Failure

**RECAL Measurement**

307 S New Haven  
Tulsa, OK 74112-1228  
(918) 834 3210

---

## **CALIBRATION CERTIFICATE**

**We certify the instrument identified below has been tested using  
precision Standards traceable to NIST and the accuracy found is  
attested to below:**

**Equipment Owner Pentzien, Inc.**

**Type Barton Temperature Recorder**

**Serial Number 242E 47428**

**Range: 2 Pens . -30 to + 120 Degrees F.**

**Accuracy +/- 1 %**

**Calibrated by *Wayne J. Farrison* Date August 6, 2007**

**Traceable to NIST - United States**

**Taylor Valve Digital Deadweight Tester Gauge 3, Serial Number 8796-1**

**Taylor Valve Digital Deadweight Tester Gauge I, Serial Number 2536**

**Digibar Digital Tester SN E-16080**

**Fluke Digital Temperature Tester Serial Number 5800537**

**Ametek Deadweight Tester SN HL-2637**

**Based on Standard Gravity @ 72 Degrees F and 39% Relative Humidity**

**RECAL Measurement**

307 S New Haven  
Tulsa, OK 74112-1228  
(918) 834 3210

---

## **CALIBRATION CERTIFICATE**

**We certify the instrument identified below has been tested using  
precision Standards traceable to NIST and the accuracy found is  
attested to below:**

**Equipment Owner Pentzien, Inc.**

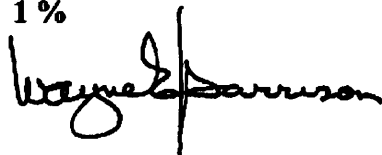
**Type Chandler Engineering Deadweight 5-1**

**Serial Number: 7326**

**Range: 50-4,000 psi**

**Accuracy: +/- 1 %**

**Calibrated by**



**Date: August 6, 2007**

**Traceable to NIST - United States**

**Taylor Valve Digital Deadweight Tester Gauge 3, Serial Number 8796-1**

**Taylor Valve Digital Deadweight Tester Gauge I, Serial Number 2536**

**Digibar Digital Tester SN E-16080**

**Fluke Digital Temperature Tester Serial Number 5800537**

**Ametek Deadweight Tester SN HL-2637**

**Based on Standard Gravity @ 72 Degrees F and 39% Relative Humidity**

**RECAL Measurement**

307 S New Haven  
Tulsa, OK 74112-1228  
(918) 834 3210

---

## **CALIBRATION CERTIFICATE**

**We certify the instrument identified below has been tested using  
precision Standards traceable to NIST and the accuracy found is  
attested to below:**

**Equipment Owner Pentzien, Inc**

**Type: Metserco Pressure Recorder**

**Serial Number: M 5759**

**Range 0-5,000 psi**

**Accuracy: +/- 1 %**

**Calibrated by: *Wayne L. Harrison* Date: August 10, 2007**

**Traceable to NIST - United States**

**Taylor Valve Digital Deadweight Tester Gauge 3, Serial Number 8796-1**

**Taylor Valve Digital Deadweight Tester Gauge I, Serial Number 2536**

**Digibar Digital Tester SN E-16080**

**Fluke Digital Temperature Tester Serial Number 5800537**

**Ametek Deadweight Tester SN HL-2637**

**Based on Standard Gravity @ 72 Degrees F and 39% Relative Humidity**

**RECAL Measurement**

307 S New Haven  
Tulsa, OK 74112-1228  
(918) 834 3210

---

## **CALIBRATION CERTIFICATE**

**We certify the instrument identified below has been tested using  
precision Standards traceable to NIST and the accuracy found is  
attested to below:**

**Equipment Owner: Pentzien, Inc.**

**Type: Metserco Pressure Recorder**

**Serial Number: M 5760**

**Range: 0-5,000 psi**

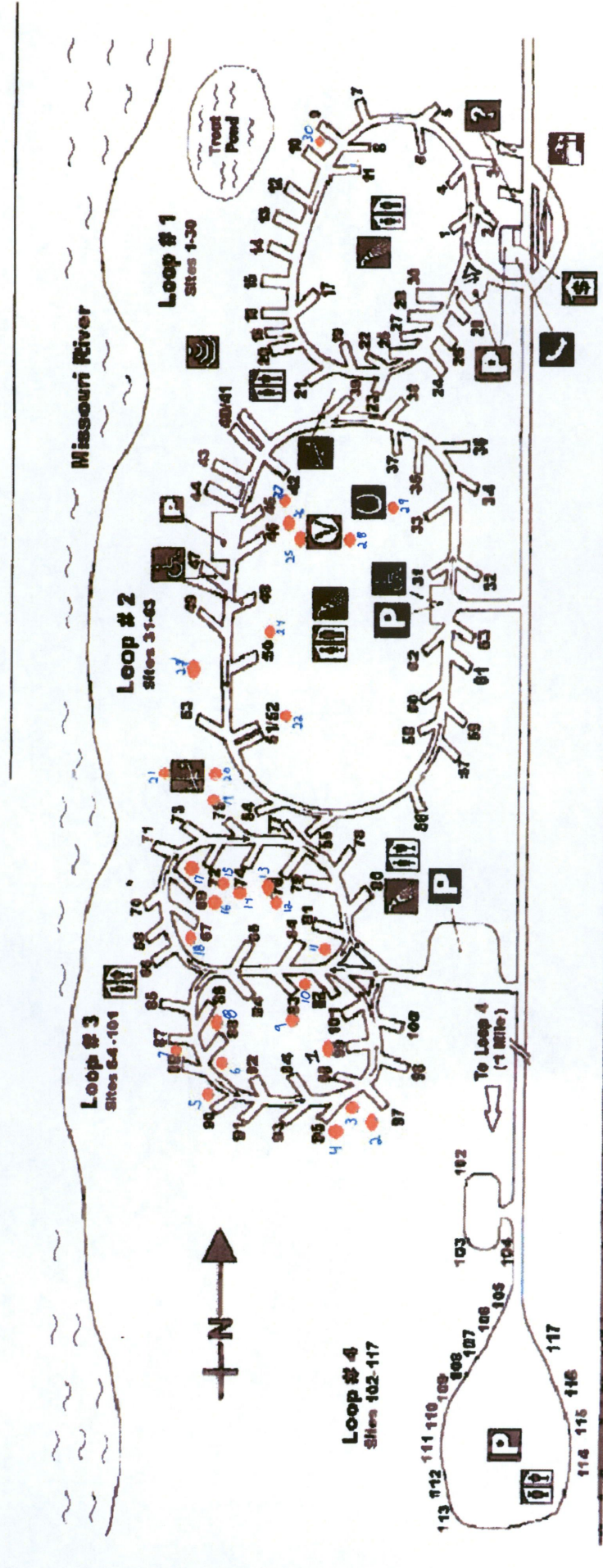
**Accuracy: +/- 1 %**

**Calibrated by:**  **Date August 10, 2007**

**Traceable to NIST - United States**  
**Taylor Valve Digital Deadweight Tester Gauge 3, Serial Number 8796-1**  
**Taylor Valve Digital Deadweight Tester Gauge I, Serial Number 2536**  
**Digibar Digital Tester SN E-16080**  
**Fluke Digital Temperature Tester Serial Number 5800537**  
**Ametek Deadweight Tester SN HL-2637**  
**Based on Standard Gravity @ 72 Degrees F and 39% Relative Humidity**

PLR 95 - ROW Inspection - 2014

Land Owner	Tract	Section	Inspection Results	Marker Signs	Test Posts	Deficiency Yes or No	Picture Yes or No	Corrective Action + Work Order #	Date Completed
	154N 95W	16	Erosion next to T.P. 148, Slope from north to south 2' x 4' deep, 14' long 48.16075, -102.89423			Yes	Yes, Scott's cell phone		
	154N 95W	16	Good		147	No	No		9/25/14
	154N 95W	21	Bent warning sign by T.P. 146			Yes	No	Installed new warning sign	9/25/14
	154N 95W	21	Good		146	No	No		9/25/14
	154N 95W	21	Aerial Mile Marker - all numbers need to be replaced - peeling paint	Aerial Mile Marker #100		Yes	No		
	154N 95W	34	Good		145	No	No		10/27/14
	154N 95W	34	Good		144A	No	No		10/27/14
	154N 95W	34	Good		144	No	No		10/27/14
	154N 95W	34	Good		143	No	No		10/27/14
	154N 95W	34	Broken test post assembly		142	Yes	No	Installed new test post cap assembly	10/27/14
	154N 95W	34	Hess erosion 25' east of CO2 pipeline, on edge of DGC's R.O.W. Not filled in yet.	Hess Erosion		Yes	Yes, Lewis' cell phone		10/27/14



## Downstream Campground

KEY	
	Amphitheater
	Playground
	Restroom
	Horseshoe Pit
	Volleyball
	Phone
	Fee Booth
	Dump Station
	Shower
	Gate Attendant
	Universally Accessible
	Parking Lot

Horseshoe & Volleyball Equipment is Available for Checkout

Cans Collected for Recycling can be Traded in at Fee Booth for Candy

FIGURE 3  
TREE PLANTING LOCATIONS (PU-07-184)

Tree #	Tree species	Approximate Height	App. trunk radius
1	Amur Maple	18 Ft.	1in
2	Ohio Buckeye	16 Ft.	.5 in
3	Ohio Buckeye	10 Ft.	.5 in
4	Amur Maple	14 Ft.	.5 in
5	Amur Maple	16 Ft.	1 in
6	Amur Maple	14 Ft.	.5 in
7	Ohio Buckeye	8 Ft.	1 in
8	Ohio Buckeye	12 Ft.	.5 in
9	Removed or dead		
10	Ohio Buckeye	12 Ft.	2 in
11	Ohio Buckeye	20 Ft.	1 in
12	Ohio Buckeye	14 Ft.	0.5 in
13	Ohio Buckeye	12 Ft.	1 in
14	Ohio Buckeye	12 Ft.	.5 in
15	Dead		
16	Amur Maple	16 Ft.	.5 in
17	Ohio Buckeye	12 Ft.	.5 in
18	Removed or dead		
19			
20	Ohio Buckeye	6 Ft.	.25 in
21	Ohio Buckeye	10 Ft.	.5 in
22	Amur Maple	10 Ft.	.5 in
23	Amur Maple	20 Ft.	1.5 in
24	Ohio Buckeye	6 Ft.	.25 in
25	Amur Maple	12 Ft.	1 in
26	Ohio Buckeye	12 Ft.	1 in
27	Ohio Buckeye	8 Ft.	.5 in
28	Ohio Buckeye	12 Ft.	.75 in
29	Removed or dead		
30	Ohio Buckeye	7 Ft.	.25 in