

**Former T&T Standard
Hwy 34 & S. 3rd Ave. – Woonsocket, SD
PRCF # 1853
DENR# 91.548**

Goals

- 1) **Remove free phase product (if present)**
- 2) **Eliminate risks to potential receptors**
- 3) **MCL's must be met. However, if it is determined that the geology below the area is inconsistent with aquifer materials, this goal may not apply.**

Team Members

Name	Phone	Cell Phone	Fax	E-Mail
Joane Lineburg, DENR	605-773-3296		605-773-6035	Joane.Lineburg@state.sd.us
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Dan Martin, PRCF	605-852-5053	605-881-7208	605-882-5066	Daniel.Martin@state.sd.us
Mitch Kannenberg, LBG	605-334-6000	605-310-1721	605-334-1850	mitchk@lbgsioux.com
John Sohl, Columbia Tech.	410-536-9911	301-455-7644	410-536-0222	jsohl@columbiadata.com
Driller				

Objectives

- 1) Obtain Right-of-Entry agreements for Right-of-Way and private properties.
- 2) Determine if source areas are separate or co-mingled.
- 3) Determine extent of dissolved plume relative to Source Water Protection Area.
- 4) Identify downgradient pathways and receptors
- 5) Identify location, depth, and construction of unknown utilities.
- 6) Determine if any utilities have been impacted by contamination.
- 7) Resolve potential sources between T&T, Bank, and Express Stop properties.
- 8) Identify all potential sources.
- 9) Determine if deeper lithology is consistent with aquifer material.
- 10) Evaluate potential of excluding site from Source Water Protection Area.
- 11) Confirm soil & groundwater samples.
- 12) Analyze soil and groundwater samples for TPH-G, BTEX, MTBE, EDB, TPA
- 13) Determine need for additional compliance monitoring wells.
- 14) Confirm background data using perimeter test holes.
- 15) Develop corrective action plan

Because the number of test holes may vary, team members will determine the number of collaborative samples necessary for laboratory analysis. These samples will be collected, packaged, and shipped by the consultant, and analyzed by MidContinent Testing Laboratories of Rapid City, SD. The expenses associated with these samples will be billed to the PRCF; however, the results of these samples will be e-mailed to each team member.

The driller is responsible for the proper abandonment of all test holes. This should be done before the end of each work day.

Steve's Amoco
5th Avenue NW & Hwy 20 Watertown, SD
PRCF # 3385; 6775
DENR# 98.045; 2003.131

Goals

- 1) **Remove free phase product (if present)**
- 2) **Eliminate risks to potential receptors**
- 3) **Because this site is located within a source water protection area, MCL's must be met.**

Team Members

Name	Phone	Cell Phone	Fax	E-Mail
Kristi Honeywell, DENR	605-773-3296		605-773-6035	Kristi.Honeywell@state.sd.us
John McVey, PRCF	605-773-3769	605-770-1985	605-773-6048	John.McVey@state.sd.us
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John Sohl, Columbia Tech.	410-536-9911	301-455-7644	410-536-0222	jsohl@columbiadata.com
Driller				

Objectives

- 1) Obtain Right-of-Entry agreements for ROW and private properties.
- 2) Determine if source areas are separate or co-mingled.
- 3) Identify pathways and receptors.
- 4) Identify location, depth, and construction of all area utilities.
- 5) Determine if any utilities have been impacted by contamination.
- 6) Determine if contamination has impacted residential basement to the east.
- 7) Characterize free product plumes around pump islands and tank basin. (vert. & horiz.)
- 8) Delineate dissolved phase contaminate plume(s) (vert. & horiz.)
- 9) Confirm soil & groundwater samples.
- 10) Analyze soil and groundwater samples for TPH-G, BTEX, MTBE, EDB, TPA
- 11) Determine need for additional compliance monitoring wells.
- 12) Confirm background data using perimeter test holes.
- 13) Develop corrective action plan

Because the number of test holes may vary, team members will determine the number of collaborative samples necessary for laboratory analysis. These samples will be collected, packaged, and shipped by the consultant, and analyzed by MidContinent Testing Laboratories of Rapid City, SD. The expenses associated with these samples will be billed to the PRCF; however, the results of these samples will be e-mailed to each team member.

The driller is responsible for the proper abandonment of all test holes. This should be done before the end of each work day.

Former Husky Oil
319 West Sioux Ave. Pierre, SD
PRCF # 2964
DENR# 95.313

Goals

- 1) **Remove free phase product (if present)**
- 2) **Eliminate risks to potential receptors**
- 3) **Because this site is located within a source water protection area, MCL's must be met.**

Team Members

Name	Phone	Cell Phone	Fax	E-Mail
Kristi Honeywell, DENR	605-773-3296		605-773-6035	Kristi.Honeywell@state.sd.us
John McVey, PRCF	605-773-3769	605-770-1985	605-773-6048	John.McVey@state.sd.us
Doug Schueller, AET, Inc.	605-224-9535		605-224-9538	dschueller@amengtest.com
John Sohl, Columbia Tech.	410-536-9911	301-455-7644	410-536-0222	jsohl@columbiadata.com
Driller				

Objectives

- 1) Collect free product from MW-20 & MW-21 and submit it for Identification Analysis.
- 2) Determine source areas.
- 3) Identify pathways and receptors.
- 4) Identify location, depth, and construction of all area utilities.
- 5) Determine if any utilities have been impacted by contamination.
- 6) If present, characterize free product plume.
- 7) Delineate dissolved phase contaminate plume.
- 8) Confirm soil & groundwater samples.
- 9) Analyze soil and groundwater samples for TPH-G, BTEX, MTBE, TPA, TPH-D, Naph.
- 10) Determine need for additional compliance monitoring wells.
- 11) Confirm background data using perimeter test holes.
- 12) Develop corrective action plan

Because the number of test holes may vary, team members will determine the number of collaborative samples necessary for laboratory analysis. These samples will be collected, packaged, and shipped by the consultant, and analyzed by MidContinent Testing Laboratories of Rapid City, SD. The expenses associated with these samples will be billed to the PRCF; however, the results of these samples will be e-mailed to each team member.

The driller is responsible for the proper abandonment of all test holes. This should be done before the end of each work day.

**DM&E Railroad
Harrison & Wells Pierre, SD
PRCF # 1327
DENR# 90.592**

Goals

- 1) **Remove free phase product**
- 2) **Eliminate risks to potential receptors**
- 3) **Because this site is located w/in a source water protection area, MCL's must be met.**

Team Members

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John Sohl, Columbia Tech.	410-536-9911	301-455-7644	410-536-0222	jsohl@columbiadata.com
Driller				

Objectives

- 1) Define source areas.
- 2) Identify pathways and receptors
- 3) Identify location, depth, and construction of unknown utilities.
- 4) Determine if any utilities have been impacted by contamination.
- 5) Further characterize LNAPL and conduct product identification analysis.
- 6) Determine if lithology is consisted with aquifer materials.
- 7) Confirm soil & groundwater samples.
- 8) Analyze soil and groundwater samples for TPH-D, Napth, MTBE, EDB, TBA
- 9) Determine need for additional compliance monitoring wells.
- 10) Confirm background data using perimeter test holes.
- 11) Develop corrective action plan

Because the number of test holes may vary, team members will determine the number of collaborative samples necessary for laboratory analysis. These samples will be collected, packaged, and shipped by the consultant, and analyzed by MidContinent Testing Laboratories of Rapid City, SD. The expenses associated with these samples will be billed to the PRCF; however, the results of these samples will be e-mailed to each team member.

The driller is responsible for the proper abandonment of all test holes. This should be done before the end of each work day.

**Severson Service
601 Main Avenue Platte, SD
PRCF # 1341
DENR# 91.041**

Goals

- 1) **Remove free phase product (if present)**
- 2) **Eliminate risks to potential receptors**
- 3) **Ensure dissolved contaminate plume is stable and attenuating.**

Team Members

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John Sohl, Columbia Tech.	410-536-9911	301-455-7644	410-536-0222	jsohl@columbiadata.com
Driller				

Objectives

- 1) Obtain Right-of-Entry agreements for Right-of-Way and private properties.
- 2) Determine if current fuel system is tight and that no on-going releases are occurring.
- 3) Delineate dissolved contaminate plume.
- 4) Identify pathways and receptors downgradient of MW-11.
- 5) Identify location, depth, and construction of unknown utilities.
- 6) Determine if any utilities have been impacted by contamination.
- 7) Evaluate effectiveness of groundwater interceptor trench.
- 8) Evaluate zone between GP-6 & MW-17.
- 9) Identify all potential sources, including area adjacent to old Fire Station building
- 10) Confirm soil & groundwater samples.
- 11) Analyze soil and groundwater samples for TPH-G, BTEX, MTBE, EDB, TPA
- 12) Determine need for additional compliance monitoring wells.
- 13) Confirm background data using perimeter test holes.
- 14) Develop corrective action plan

Because the number of test holes may vary, team members will determine the number of collaborative samples necessary for laboratory analysis. These samples will be collected, packaged, and shipped by the consultant, and analyzed by MidContinent Testing Laboratories of

Rapid City, SD. The expenses associated with these samples will be billed to the PRCF; however, the results of these samples will be e-mailed to each team member.

The driller is responsible for the proper abandonment of all test holes. This should be done before the end of each work day.