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REPORT OF RBCA TIER 2 ASSESSMENT

Johnson Siding General Store
12300 W. Highway 44
Rapid City, South Dakota

AET Project No. P-0049126
DANR Tank Facility ID 02-00226
DANR Spill No. 2025.171

Date:
April 15, 2026

Prepared for:
Stelmach Oil Inc.
P.O. Box 636
Hill City, South Dakota 57745

Geotechnical • Materials
Forensic • Environmental
Building Technology
Petrography/Chemistry

American Engineering Testing
1745 Samco Road
Rapid City, SD 57702
TeamAET.com • 800.792.6364

April 15, 2026

Stelmach Oil Inc.
P.O. Box 636
Hill City, SD 57745

Attn: Matthew Stelmach, Owner
Email: matt@stelmachoil.com

RE: RBCA Tier 2 Assessment
Johnson Siding General Store
12300 W. Highway 44
Rapid City, South Dakota
AET Project No. P-0049126
DANR Tank Facility ID 02-00226; DANR Spill No. 2025.171

Dear Mr. Stelmach:

American Engineering Testing, Incorporated (AET) has completed the Risk Based Corrective Action Tier 2 Assessment at the above-referenced site as per AET's proposal dated December 4, 2025, and signed authorization received on December 8, 2025.

After you have reviewed our report, please sign and date the attached "Approval for Release" form. Upon receiving the signed "Approval for Release", we will be forwarding copies of the report to the South Dakota Department of Agriculture and Natural Resources and the Petroleum Release Compensation Fund for their review.

If you have any questions, comments or need additional information, please feel welcome to contact us. AET appreciates the opportunity to have been of service to you on this project.

Sincerely,
American Engineering Testing

Jeremy J. Huot, CPRR
Environmental Project Manager
jhuot@teamaet.com
Office: (605) 388-0029

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APPROVAL FOR RELEASE

Project: RBCA Tier 2 Assessment
Johnson Siding General Store
12300 W Highway 44
Rapid City, South Dakota
AET Proposal No. P-0049126
DANR File No. 2025.171
UST Facility ID 02-00226

Report: AET Report No. P-0049126.2

Date: April 15, 2026

As the addressee of the above referenced report and the client of record for the project, I hereby give my permission for the release of the report to the agencies referenced in the subject report.

Client: _____

Authorized Signature: _____

Typed Name: _____

Title: _____

Date: _____

Site Summary

Site Name **Johnson Siding General Store** Department File No. **2025.171** Date **April 15, 2026**

Location (address) **12300 West Highway 44** City **Rapid City**

State **South Dakota** County **Pennington**

Latitude/Longitude **44.083733°, -103.438947°** Method (map, GPS, etc.) **Google Earth Pro Software**

Contamination Source **Underground Storage Tank and Distribution System**

Responsible Person (RP) **Stelmach Oil** Consultant **American Engineering Testing, Inc.**

RP Mailing Addresses **P.O. Box 636** City/State **Hill City, South Dakota** Zip **57745**

Land Use: Residential, Industrial, Rural, Other **Commercial**

Distance to and Name of Closest Surface Water **420-450-900 feet west-north-east, Rapid Creek.**

Depth/Distance to and Name of Closest Aquifer **>20 ft below ground surface to Rapid Creek Alluvial Aquifer.**

Distance/Depth to and Name of Closest Water Well **Information provided by the property owner indicates that one potable water well services the on-site building. The well completion log for this well could not definitively be identified due to multiple well completion logs being shown for the same map location on the DANR well completion database. However, based on review of well completion logs in the vicinity of the site, it is assumed that the well is completed within the shallow Rapid Creek alluvial aquifer.**

Environmental Media Impacted: **Subsurface Soil >3.2 feet below ground surface.**

Groundwater, Surface Water, Indoor Air, Utilities, Outdoor Air, Other: **No.**

Was Free Phase Product Present? **No.**

Utilities to be Investigated: Water, Sewer (Storm/Sanitary), Electrical, other: **Water well and private sewer system.**

Off Site Migration of Contamination (Yes/No) Direction **None**

Sensitive Receptors Within 500 ft of Plume (schools, homes, water bodies) **Rapid Creek – located approximately 420-450-900 feet west-north-east of the site, respectively.**

Type of Corrective Action: Excavation, Soil Vapor Extraction, Air Sparging, Bio-Venting, Monitoring, Engineering Control (Specify type): **No corrective action measures warranted at this time.**

Additional Information

Cubic Yards of soil Excavated/treated **7.08 tons.**

Name of Landfarm/Landfill **Belle Fourche Landfill.**

Number of Monitoring Wells Installed **0** Number of Monitoring Wells Properly Closed **0**

Proposed Action: Closure/Inactive, Remediation, Eliminate Exposure Route, Monitoring **No Further Action.**

Product **Not applicable** Tank Bottoms **3 Petroleum USTs** Contaminated Water **Not applicable**

*If gas or used oil tanks, document if hazardous waste generated: **No hazardous waste.**

Disposal of waste liquid(s): **Not Applicable** Disposal of tank bottoms: **Disposed of by system removal contractor (Bob Lewton).**

Signature of Responsible Person or Authorized Agent

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E. Laboratory Report

RBCA TIER 2 ASSESSMENT
JOHNSON SIDING GENERAL STORE
12300 W. HIGHWAY 44, RAPID CITY, SOUTH DAKOTA
AET REPORT No. P-0049126.2

1.0 INTRODUCTION

1.1 Site Description

The physical location of the project site (site) is 12300 West Highway 44, Rapid City, South Dakota (SD) (Figures 1 and 2, Appendix A). The Public Land Survey System (PLSS) location of the site is described as the SW ¼ of the SE ¼ of Section 31, Township 2 South, Range 6 East, Black Hills Principal Meridian, Pennington County, SD. The latitude/longitude of the site is 44.083733°, -103.438947° as determined using Google Earth Pro software.

1.2 Background Information

The site historically operated a regulated underground storage tank (UST) system consisting of one 1,000-gallon diesel UST, one 1,000-gallon gasoline UST, one 1,900-gallon premium gasoline UST, and three associated dispenser pumps. According to records maintained by the SD Department of Agriculture and Natural Resources (DANR), the UST system was installed in 1995 and was registered under DANR Facility Number 02-00226.

UST removal activities were conducted on October 13, 2025, and included excavation and removal of the USTs, associated piping, and dispenser pumps. During these activities, petroleum-impacted soils were identified beneath the dispenser islands, most notably below the former diesel dispenser (west dispenser). Laboratory analytical results from soil samples collected in this area indicated that total petroleum hydrocarbons as diesel (TPH-D) exceeded the applicable Tier 1 Trigger Level, while petroleum constituents detected beneath the former USTs were below Tier 1 Trigger and Action Levels. Groundwater was not encountered during excavation, and petroleum impacts appeared to be localized to soils in the immediate vicinity of the dispenser island.

Following submission and review of the UST removal and closure report, the DANR requested that a Risk-Based Corrective Action (RBCA) Receptor Survey and Tier 2 Assessment be conducted for the site. This request was made to further evaluate potential receptors and exposure pathways associated with the identified petroleum impacts, particularly considering the site's proximity to Rapid Creek.

This RBCA Tier 2 Assessment has been prepared to evaluate potential human and environmental receptors in the vicinity of the site, remaining petroleum impacts, and potential exposure pathways identified within the RBCA Receptor Survey (AET Report P-0049126.1).

1.3 Previous Studies

Previous environmental work performed at the site in association with DANR Spill ID 2025.171 has been presented in the reports listed in Table 1, below. Please refer to these reports for additional project information.

Table 1
Previous Documentation

Report Number	Date	Title
AET # P-0047712	11/20/2025	"Report of Underground Storage Tank System Removal, Johnson Siding General Store, Rapid City, South Dakota"
AET # P-0049126.1	03/05/2026	"Report of RBCA Receptor Evaluation and Site Assessment Work Plan, Johnson Siding General Store, Rapid City, South Dakota"

1.4 Site Topography

A review of the United States Geological Survey (USGS) topographic map for the Pactola Dam Quadrangle (Figure 1) indicates that the site elevation is approximately 4,300 feet (ft) above mean sea level (AMSL). The site is primarily covered with concrete pavement, asphalt pavement and gravel surface cover. Based on interpretation of the topographic contours, surface water drainage in the vicinity of the site is anticipated to flow in a northerly direction toward Rapid Creek which is located approximately 420-450-900 ft

west-north-east of the site, respectively, and generally flows to the north-east-south as it meanders around the west-north-east sides of the site, respectively.

1.5 Geology and Hydrology

According to the SD Geologic Survey document titled “Geologic Map of South Dakota” by Martin, J.E., Sawyer, J.F., Fahrenbach, M.D., Tomhave, D.W., and Schulz, L.D., 2004, the site lies within Alluvium deposited by Rapid Creek with thicknesses greater than 20 ft. The alluvium is underlain by Metaquartzite which is described as light-tan quartzite, siliceous schist and minor chert, with a thickness of approximately 800 - 5,000 ft.

Unconfined groundwater flow generally mimics surface topography; therefore, the regional groundwater flow direction is assumed to be in a north/northeast direction toward Rapid Creek. Shallow groundwater at the site is anticipated to occur at depths of approximately 20 to 30 ft below surface grade (bsg).

1.6 Purpose of Work

The purpose of the RBCA process was to identify possible receptors and exposure pathways present within the study area, and to evaluate potential risk to the receptors via exposure pathways from the petroleum hydrocarbons present at the site.

1.7 Scope of Work

The scope of work performed on this phase of the project consisted of:

1. advancing three soil borings in the vicinity of potential pathways to nearby receptors as determined within AET Report No. P-0049126.1;

2. screening the soil samples recovered from the borings for the presence and concentration of organic vapors as indications of petroleum hydrocarbon impacts;

3. analyzing select soil samples recovered from the borings for the presence and concentration of total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), benzene, toluene, ethylbenzene and xylenes (BTEX), methyl-tertiary-butyl ether (MTBE), and naphthalene;

4. collecting one tap water sample from the on-site potable water well and analyzing the sample for TPH-G, TPH-D, BTEX, MTBE, and naphthalene;

5. evaluating the potential sources, exposure pathways, and receptors relative to the site-specific data collected; and

6. preparing and submitting a report including data generated during our work on the project along with our conclusions and recommendations based on that data compared to the RBCA Site Conceptual Model.

2.0 PROJECT RESULTS

2.1 Subsurface Conditions

On April 29, 2026, AET personnel advanced three soil borings (SB-1 through SB-3) at the locations shown on Figure 3 (Appendix A) using the methods described in Appendix B. The borings were strategically placed to evaluate the extent of potential petroleum hydrocarbon impacts between the suspected source area and potential exposure pathways.

Soil profiles encountered at the boring locations are presented on the logs in Appendix C. Subsurface conditions were generally consistent across the site. The borings encountered a surface layer of base course gravel underlain by brown, moist silty lean clay. This unit transitions to tan/gray, moist sandy silt with gravel, interpreted as weathered schist. At SB-1, sandy lean clay with gravel lenses was also observed. Sampler refusal was encountered in SB-2 and SB-3 where the weathered schist became increasingly dense, limiting further advancement. Groundwater was not encountered in the borings.

2.2 Soil Sample Screening Results

Soil samples collected from the borings were screened for organic vapors using the methods described in Appendix B to assess the potential presence of petroleum hydrocarbons. The screening results are provided on the soil boring logs in Appendix C. No elevated organic vapor concentrations were detected during field screening.

2.3 Soil Sample Analytical Results

Select soil samples were collected from the soil borings and analyzed for the presence and concentrations of TPH-D, TPH-G, BTEX, MTBE, and naphthalene using methods described in Appendix B. As no indication of petroleum impacts were encountered throughout the soil profile at any of the soil borings, samples selected for analysis were collected at the terminal depth of each boring to confirm potential vertical extent. Table 2, below, presents the analytical results and the laboratory report is included in Appendix E. For comparison, DANR Tier 1 Trigger/Action Levels for soils at petroleum release sites are also presented in Table 2. None of the analytes were measured above the laboratory practical quantitation limits (PQLs) which are also below the applicable DANR RBCA Tier 1 Trigger and Action Levels.

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS[\1]

Sample ID	Depth[\2]	Benzene	Ethyl Benzene	MTBE	Naphthalene	Toluene	Xylenes	TPH-G	TPH-D
SB-1 S8	17.5 – 20.0	<0.050[\3]	<0.100	<0.100	<0.200	<0.100	<0.200	<10.0	<10.0
SB-2 S5	10.0 – 12.5	<0.050	<0.100	<0.100	<0.200	<0.100	<0.200	<10.0	<10.0
SB-3 S7	15.0 – 17.5	<0.050	<0.100	<0.100	<0.200	<0.100	<0.200	<10.0	<10.0
Tier 1 Action Levels		**0.2**	**10**	**-**	**25**	**15**	**300**	**500[\4]**	**500[\4]**

[\1] All values are in mg/kg, which is equivalent to parts per million (ppm), unless otherwise noted.
[\2] Depths measured in feet below ground surface.
[\3] "<" denotes analyte not detected at or above the Practical Quantitation Limit (PQL) following the "less than" symbol.
[\4] Total hydrocarbon concentration is considered a "trigger level" to require a more thorough evaluation of the site and is not intended to be a Tier 1 cleanup goal.

2.4 Tap Water Analytical Results

On April 30, 2026, AET mobilized to the site to collect a tap water sample from the on-site well that supplies the Johnson Siding General Store and the Happy Tavern. The sample was submitted to Midcontinent Testing Laboratories and analyzed for the presence and concentrations of TPH-D, TPH-G, BTEX, MTBE, and naphthalene using methods described in Appendix B.

The purpose of the sampling was to evaluate whether subsurface petroleum impacts at the site have affected the on-site water supply well. Analytical results are summarized in Table 3, and the complete laboratory report is included in Appendix E. For comparison, Table 3 also presents South Dakota Groundwater Quality Standards (SDGWQS) for BTEX and TPH, along with the EPA Lifetime Health Advisory Level (LTHAL) for naphthalene. None of the analytes were measured above the laboratory PQLs which are also below the applicable SDGWQS and EPA LTHAL.

TABLE 3
TAP WATER ANALYTICAL RESULTS[\1]

Sample ID	Benzene	Ethyl Benzene	Naphthalene	Toluene	Xylenes	TPH-G	TPH-D
Johnson Siding Well	<0.001[\2]	<0.001	<0.004	<0.001	<0.003	<0.100	<0.500
SDGWQS/EPA LTHAL	**0.005**	**0.7**	**0.1[\3]**	**1.0**	**10.0**	**10.0**	**10.0**

[\1] All values are in mg/L, which is equivalent to parts per million (ppm), unless otherwise noted.
[\2] "<" denotes analyte not detected at or above the Practical Quantitation Limit (PQL) following the "less than" symbol.
[\3] EPA Lifetime Health Advisory Limit (LTHAL).

3.0 DISCUSSION

3.1 Receptor Evaluation and Identified Potential Exposure Pathways

The RBCA Tier 2 Receptor Evaluation (AET Report P-0049126.1 – March 5, 2026) identified the former dispenser island as the primary source of petroleum impacts, with impacted soil previously documented as exceeding the Tier 1 Trigger Level for TPH. Based on site conditions and proximity to Rapid Creek and an on-site potable water well, two potential exposure pathways could not be eliminated at the time of the RBCA Tier 2 Receptor Evaluation. These included the following:

- Groundwater migration to Rapid Creek (surface water pathway), and
- Groundwater use via the on-site potable water supply well.

These pathways were identified as unaddressed potential exposure pathways due to the lack of subsurface characterization below the initial excavation depth and the absence of groundwater data.

3.2 Evaluation of Subsurface Conditions and Soil Analytical Results

To address the potential exposure pathways, AET advanced three soil borings (SB-1 through SB-3) between the source area and the identified potential receptors. Subsurface conditions encountered were generally consistent across the site, and groundwater was not encountered at any of the borings.

Field screening of soil samples did not indicate the presence of elevated organic vapors, and laboratory analytical results confirmed that petroleum-related constituents (TPH-D, TPH-G, BTEX, MTBE, and naphthalene) were not detected above laboratory PQLs in any submitted samples. Reported concentrations were also below applicable DANR RBCA Tier 1 Trigger/Action Levels.

These findings indicate that petroleum impacts previously identified beneath the dispenser island are limited and have not migrated laterally or to the depths evaluated in this investigation. Additionally, the absence of groundwater during drilling suggests that a complete leaching pathway to groundwater is unlikely at the investigated locations.

3.3 Evaluation of Groundwater and Potable Water Exposure Pathway

The receptor evaluation identified the on-site potable water well as a potential exposure pathway due to its proximity to the former source area and the unknown groundwater conditions.

To directly evaluate this pathway, a tap water sample was collected from the on-site well and analyzed for petroleum constituents. Analytical results indicated that all target analytes (TPH-D, TPH-G, BTEX, and naphthalene) were not detected above laboratory PQLs, which are below applicable SDGWQS and EPA health advisory levels.

These results demonstrate that the potable water supply has not been impacted by petroleum release(s) at the site. Combined with the lack of evidence for deeper subsurface impacts, the groundwater ingestion pathway can be considered incomplete.

3.4 Evaluation of Surface Water Exposure Pathway

The potential for petroleum-impacted groundwater to migrate to Rapid Creek was identified during the receptor evaluation due to assumed groundwater flow direction and the potential hydraulic connection of the Rapid Creek alluvial aquifer.

However, the results of the subsurface investigation do not indicate the presence of petroleum contamination at the depths evaluated between the source area and the downgradient direction toward Rapid Creek. Furthermore, groundwater was not encountered during drilling, and no evidence of dissolved or free-phase petroleum hydrocarbons was observed.

Based on these findings, there is no indication that a dissolved-phase plume is present or migrating toward Rapid Creek. As such, the surface water exposure pathway can be reasonably considered incomplete.

3.5 Updated Site Conceptual Model

Based on the results of the additional assessment activities, the Site Conceptual Model has been refined as follows:

- **Primary Source:** Residual petroleum-impacted soil in the vicinity of the former dispenser island (limited in extent),
- **Secondary Sources:** No evidence of impacted groundwater or free product,
- **Transport Mechanisms:** Previously identified mechanisms (leaching, groundwater transport) are not supported by current data, and
- **Exposure Pathways:** All previously identified potential exposure pathways have been evaluated and are not considered complete.

Overall, the updated conceptual model indicates that petroleum impacts are localized, stable, and do not present a risk to human health or environmental receptors.

4.0 CONCLUSIONS

Based on the results of the soil boring investigation, analytical data, and tap water sampling, the potential exposure pathways identified during the RBCA Tier 2 Receptor Evaluation have been adequately evaluated and can be eliminated as complete pathways.

Petroleum impacts in soil are limited in extent and were not detected within the evaluated borings. Groundwater was not encountered during subsurface exploration, and there is no evidence to support the presence of impacted groundwater. The on-site potable water well has not been impacted, as confirmed by analytical testing. Additionally, there is no indication that petroleum constituents have migrated toward or impacted Rapid Creek.

Based on these findings, the site does not present an unacceptable risk to human health or the environment under current conditions.

5.0 RECOMMENDATIONS

Based on the completed assessment and updated Site Conceptual Model, AET concludes that the potential exposure pathways identified during the RBCA Tier 2 Receptor Evaluation have been sufficiently addressed.

No complete exposure pathways have been identified, and petroleum impacts appear to be limited to the area of the former dispenser island. Therefore, no further investigation or corrective action is warranted at this time, and the site is recommended for No Further Action (NFA) determination.

AET recommends that this report be submitted to the DANR and SD Petroleum Release Compensation Fund (PRCF) for review and concurrence with the NFA recommendation.

6.0 STANDARD OF CARE

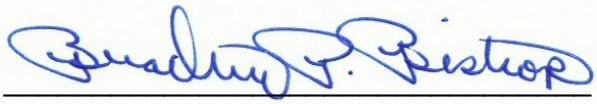
The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

Report Prepared by:



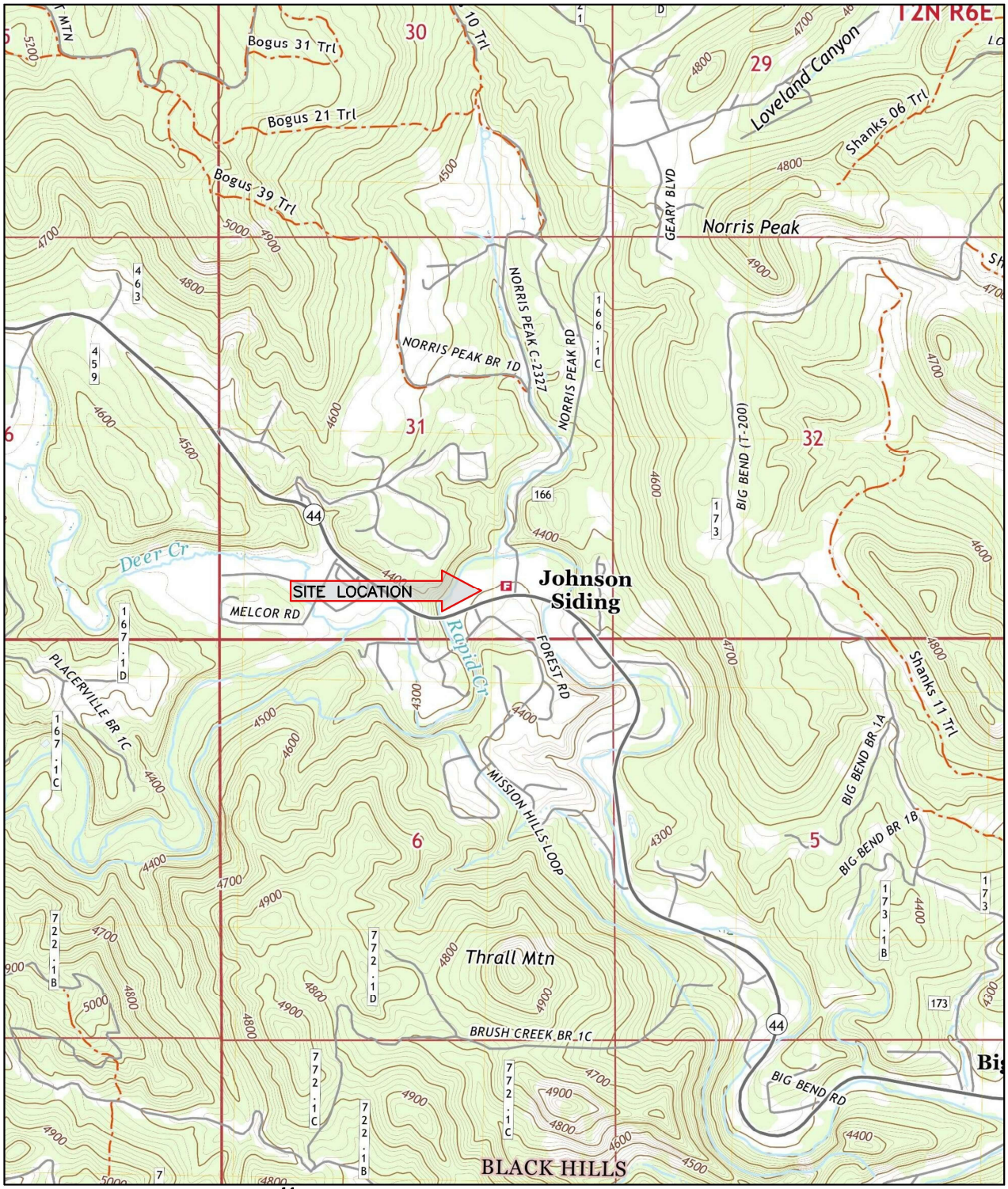
Jeremy Huot, CPRR
Environmental Project Manager

Report Reviewed by:



Bradley Bishop, CPRR
Senior Environmental Project Manage

APPENDIX A
Figures



USGS TOPOGRAPHIC MAP
PROVIDED BY USGS DATABASE
DATED: 2021 SCALE: 1:24,000

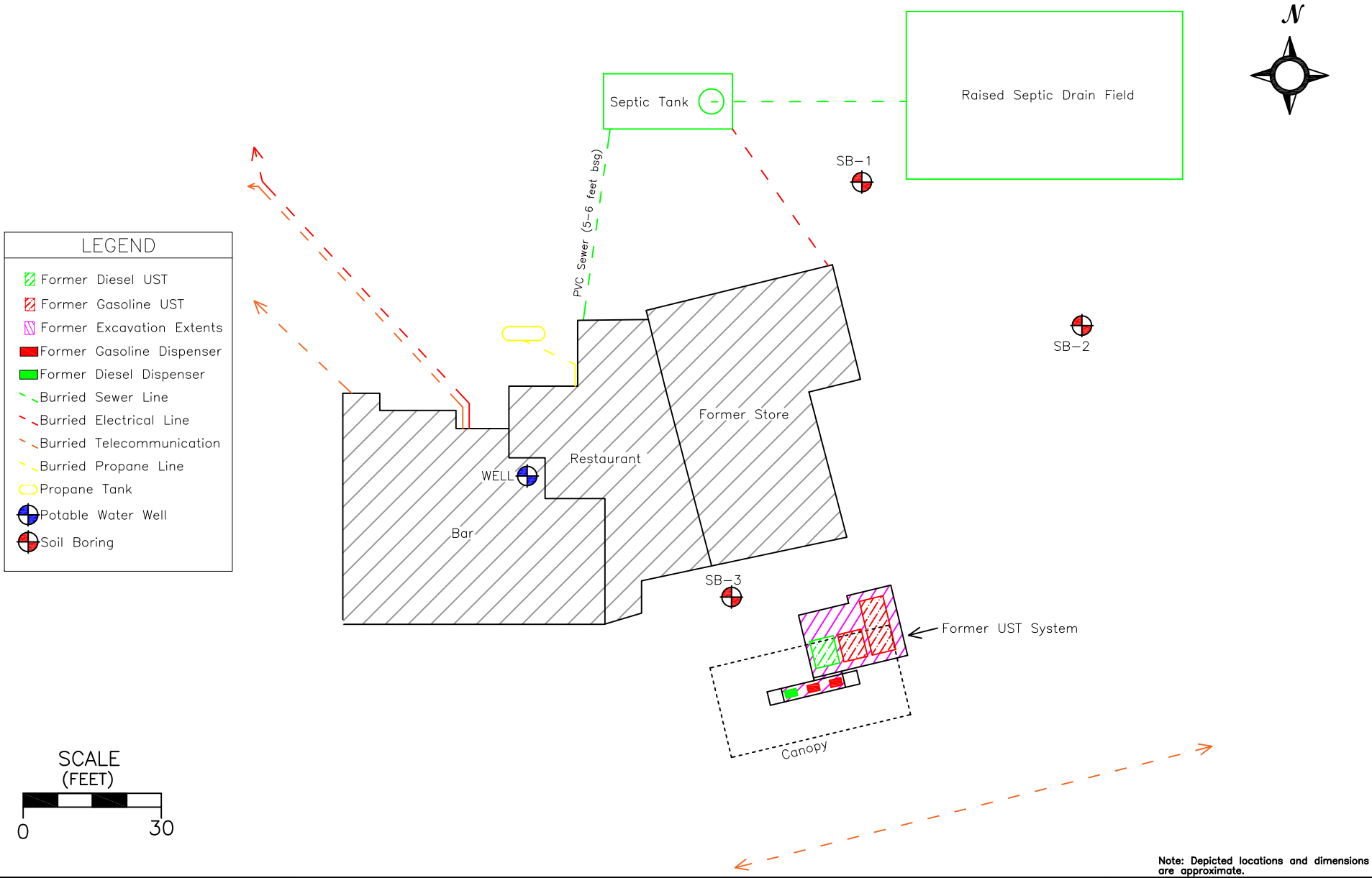
AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 W HWY 44, RAPID CITY, SOUTH DAKOTA		PROJECT NO.: P–0049126
	SUBJECT: SITE LOCATION TOPO MAP	DRAWN BY: JJH	DATE: MARCH 2, 2026
	SCALE: 1 INCH = 2,000 FEET	REVIEWED BY: BPB	FIGURE: 1



SCALE
(FEET)
0 800

N

AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 WEST HIGHWAY 44, RAPID CITY, SOUTH DAKOTA		PROJECT NO. P–0049126
	SUBJECT: SITE LOCATION AERIAL MAP	DRAWN BY: JJH	DATE: MARCH 2, 2026
	SCALE: 1 INCH = 800 FEET	REVIEWED BY: BPB	FIGURE: 2



Note: Depicted locations and dimensions are approximate.

AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 WEST HIGHWAY 44, RAPID CITY, SOUTH DAKOTA	PROJECT NO. P–0049126
	SUBJECT: SITE SKETCH WITH UTILITIES, SOIL BORING, AND WATER WELL LOCATIONS	DRAWN BY: JJH DATE: MAY 27, 2026
	SCALE: 1 INCH = 30 FEET	REVIEWED BY: BPB FIGURE: 3

APPENDIX B
Methodologies

METHODOLOGIES

Soil Boring Locations

The soil borings are placed at locations to determine the degree and extent of the petroleum impacts to the soil as the result of petroleum released from the Site distribution system. Additionally, borings/wells are placed at locations to evaluate exposure pathways within the extent of the petroleum contamination and determine potential impacts to receptors.

Direct Push Soil Borings

The direct push borings are performed using a Geoprobe®, Model 3100GT, using 2.25-inch outer diameter by 5 foot probe rods.

Direct Push Soil Sampling

Soil samples are collected using a 2.25 inch outside diameter by five-foot sample tube. For our work on this project, samples were collected on a continuous basis to the terminal depth of the borings. Soil samples are collected from the sample tube lined with a Geoprobe® PVC sample liner which is inserted into the sample tube for each five-foot sampling interval. The soil boring soil samples to be analyzed will be collected in 4-ounce, glass, soil jars with teflon-lined lids as appropriate.

Contamination Reduction

The Geoprobe®, probe rods, and samplers are steam cleaned prior to mobilization. The probe rods and samplers are decontaminated between borings with alconox water and brushes.

Soil Sample Screening

The soil samples are screened for the presence of organic vapors as an indication of hydrocarbon impacts using a Photoionization Detector (PID). This instrument provides readings in parts per million (ppm) equivalents of the calibration gas. The lower detectable limit is approximately 1 ppm.

The soil samples are collected in Whirl-pak® or Ziplock® baggies and taken to a well-ventilated area. The samples are allowed to equilibrate to room temperature. The samples are vigorously agitated for at least thirty seconds over a ten-minute headspace development period. In turn, each soil bag is punctured, the PID probe is quickly inserted through the plastic bag and the maximum meter response (within 2-5 seconds) is recorded. Erratic responses are discounted as a result of high organic vapor concentrations or conditions of elevated headspace moisture.

Tap Water Sampling

Tap water sampling is conducted by collecting water directly from an on-site potable water source. Prior to sample collection, the water source is purged to obtain fresh water from the distribution line. Samples are collected in laboratory-supplied containers appropriate for the target analytes and managed in accordance with standard chain-of-custody and sample handling procedures.

METHODOLOGIES (continued)

Chain of Custody

Upon collection of a sample to be analyzed in the laboratory, a chain of custody log is initiated. The chain of custody log includes the following information: project, work order number, shipped by, shipped to, project manager, sampling point, location, field identification number, date taken, sample type, number of containers, analysis required and sampler's signature.

The chain of custody log is delivered with the samples to the laboratory. Upon arrival at the laboratory, the samples are checked in and custody of the samples signed over to the appropriate laboratory personnel. A copy of the chain of custody log is submitted to the project manager.

Chemical Analysis

The soil samples and tap water sample are analyzed for the presence and concentration of TPH-D, TPH-G, BTEX, MTBE, and naphthalene according to the appropriate Environmental Protection Agency (EPA) and/or California/United States Geological Survey (USGS) methods.

Soil Boring Abandonment

Following completion of field monitoring activities, the soil borings are abandoned in accordance with ARSD Chapter 74:02:04:69.

Reporting

Reports are prepared that 1) present and summarize the results of the work conducted, 2) include site location and study area maps, 3) give our opinion regarding the presence of petroleum hydrocarbons and the necessity for additional work, and 4) if the results of the study warrant additional work, recommend the scope of additional work.

APPENDIX C
Soil Boring Logs

SOIL BORING LOG

PROJECT NUMBER P-0049126
PROJECT NAME Johnson Siding RBCA Tier 2
LOCATION Johnson Siding, South Dakota
DRILLING METHOD Continuous 2.25" Direct Push
SAMPLING METHOD Continuous 2.25" Direct Push
GROUND ELEVATION N/A
TOP OF CASING N/A
LOGGED BY JJH
REMARKS Latitude/Longitude: 44.084020°, -103.438935°

BORING/WELL NUMBER SB-1
DATE DRILLED 04/29/2026
CASING TYPE/DIAMETER N/A
SCREEN TYPE N/A
PACKING TYPE N/A
GROUT TYPE N/A
DEPTH TO WATER (BTOC) >20'
GROUND WATER ELEVATION N/A

PID (ppm)	Blow Count	RECOVERY (inches)	SAMPLER TYPE	DEPTH (ft. BGL)	U.S.C.S.	MATERIAL DESCRIPTION
ND	--	30	DP S1	0		**Basecourse Gravel**
				1	CLM	**Silty Lean Clay**, brown, moist
ND	--	30	DP S2	2		
				3		
				4		
ND	--	30	DP S3	5		**Sandy Silt** with gravel, tan/gray, moist (weathered schist)
				6		
				7		
ND	--	30	DP S4	8		
				9		
ND	--	30	DP S5	10		
				11	MLS	
				12		
ND	--	30	DP S6	13		
				14		
ND	--	30	DP S7	15		
				16		
				17		**Sandy Lean Clay** with gravel lenses, brown, moist
ND	--	30	DP S8	18	CLS	
				19		
				20		End of Boring

GW LEVEL

HOLE PLUGGING: Bentonite Chips

AET_ENVI P-0049126.GPJ AET WITH PID INFO 5/1/26

SOIL BORING LOG

PROJECT NUMBER P-0049126
PROJECT NAME Johnson Siding RBCA Tier 2
LOCATION Johnson Siding, South Dakota
DRILLING METHOD Continuous 2.25" Direct Push
SAMPLING METHOD Continuous 2.25" Direct Push
GROUND ELEVATION N/A
TOP OF CASING N/A
LOGGED BY JJH
REMARKS Latitude/Longitude: 44.083918°, -103.438745°

BORING/WELL NUMBER SB-2
DATE DRILLED 04/29/2026
CASING TYPE/DIAMETER N/A
SCREEN TYPE N/A
PACKING TYPE N/A
GROUT TYPE N/A
DEPTH TO WATER (BTOC) >12.5'
GROUND WATER ELEVATION N/A

PID (ppm)	Blow Count	RECOVERY (inches)	SAMPLER TYPE	INTERVAL	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	GW LEVEL	HOLE PLUGGING
ND	--	30	DP S1		0			**Basecourse Gravel**		
					1	CLM		**Silty Lean Clay**, brown, moist		
ND	--	30	DP S2		3					
ND	--	30	DP S3		5					Bentonite Chips
ND	--	30	DP S4		8					
					9	MLS		**Sandy Silt** with gravel, tan/gray, moist (weathered schist)		
ND	--	30	DP S5		10					
					12			End of Boring (Sampler Refusal)		

AET_ENVI P-0049126.GPJ AET WITH PID INFO 5/1/26

SOIL BORING LOG

PROJECT NUMBER P-0049126
PROJECT NAME Johnson Siding RBCA Tier 2
LOCATION Johnson Siding, South Dakota
DRILLING METHOD Continuous 2.25" Direct Push
SAMPLING METHOD Continuous 2.25" Direct Push
GROUND ELEVATION N/A
TOP OF CASING N/A
LOGGED BY JJH
REMARKS Latitude/Longitude: 44.083750°, -103.439016°

BORING/WELL NUMBER SB-3
DATE DRILLED 04/29/2026
CASING TYPE/DIAMETER N/A
SCREEN TYPE N/A
PACKING TYPE N/A
GROUT TYPE N/A
DEPTH TO WATER (BTOC) >18'
GROUND WATER ELEVATION N/A

PID (ppm)	Blow Count	RECOVERY (inches)	SAMPLER TYPE	DEPTH (ft. BGL)	U.S.C.S.	MATERIAL DESCRIPTION
ND	--	30	DP S1	0		**Basecourse Gravel**
				1	CLM	**Silty Lean Clay** brown, moist
ND	--	30	DP S2	2		
				3		
				4		
ND	--	30	DP S3	5		
				6		
				7		
ND	--	30	DP S4	8	MLS	**Sandy Silt** with gravel, tan/gray, moist (weathered schist)
				9		
ND	--	30	DP S5	10		
				11		
				12		
ND	--	30	DP S6	13		
				14		
ND	--	24	DP S7	15		
				16		
				17		End of Boring (Sampler Refusal)

GW LEVEL

HOLE PLUGGING: Bentonite Chips

AET_ENVI P-0049126.GPJ AET WITH PID INFO 5/1/26

APPENDIX D
RBCA Site Conceptual Model

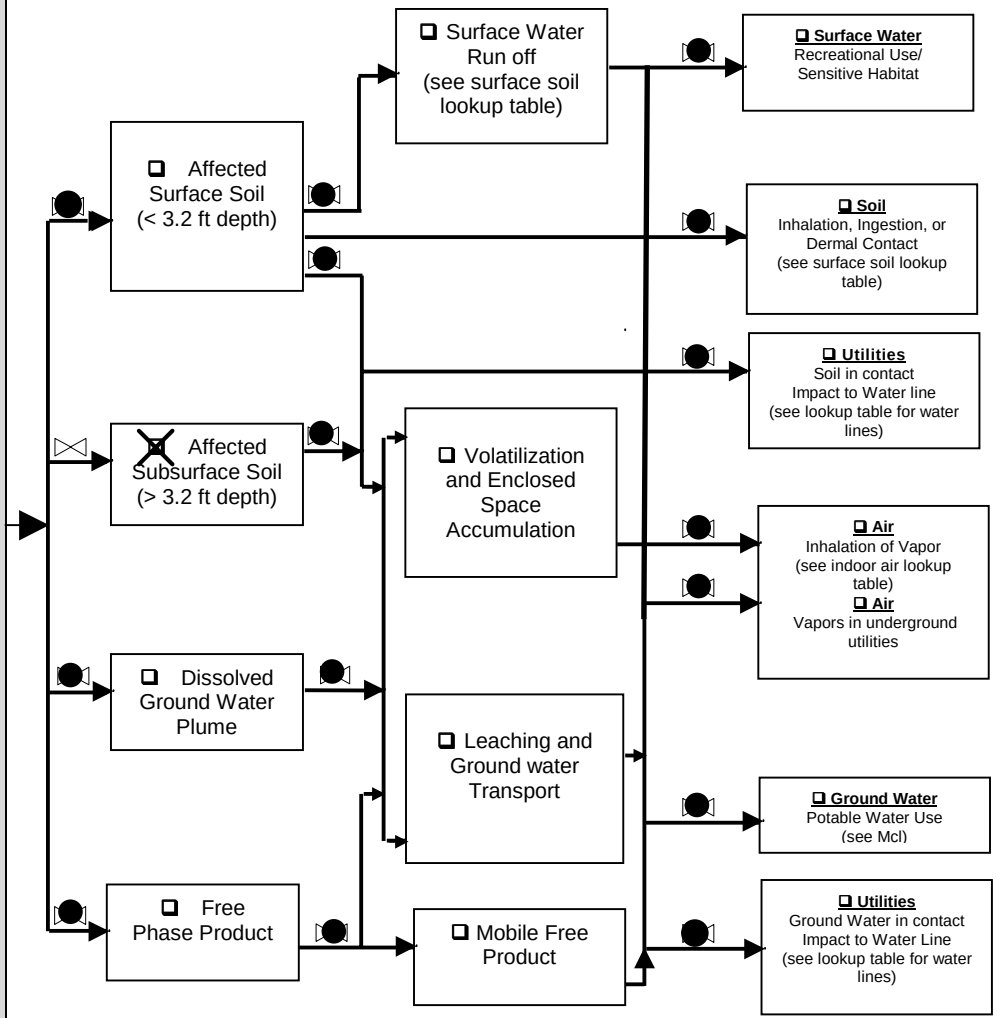
SOUTH DAKOTA DANR
RBCA SITE CONCEPTUAL MODEL SHEET

SITE NAME	Johnson Siding General Store	**DATE COMPLETED**	May 27, 2026	**DANR SPILL #**
SITE LOCATION	12300 West Highway 44, Rapid City, SD	**COMPLETED BY**	Jeremy Huot	2025.171

Step 1 – Baseline Exposure: Fill in Box (☐) to identify applicable sources, transport mechanisms, and receptors.
Step 2 – Remedial Measures: Fill in shut-off valves (⋈) to indicate removal / remedial action, containment measure, or institutional controls to be used to "shut off" exposure pathway.

PRIMARY SOURCES

- ☐ **Storage Tanks**
- ☒ **Piping/ Pump Island**
- ☐ **Handling**
- ☐ **Transportation Accident**
- ☐ **Vandalism**
- ☐ **Transformer**
- ☐ **Sump Waste**
- ☐ **Drums**
- ☐ **Other**



POTENTIAL RECEPTORS

On-Site ☐ Residential ☒ Commercial ☒ Construction worker

On-Site ☐ Residential ☒ Commercial

Off-Site ☒ Residential ☒ Commercial

APPENDIX E
Laboratory Report

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

REVIEWED
By Jeremy Huot at 8:24 am, May 27, 2026

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Sample Site:	SB-1 S8
Project Name:	Johnson Siding Tier 2
Project Number:	P-0049126
Sampled:	04/29/26 at 10:50 AM by Jeremy Huot
Sample Matrix:	Soil
Lab ID#:	20260429541
Received:	04/29/26 at 12:54 PM by Ryan Bucy
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 0.050	mg/kg	1	0.004	0.050	SW846 8021B-S	SAC	05/11/26
Ethylbenzene	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Naphthalene	< 0.200	mg/kg	1	0.018	0.200	SW846 8021B-S	SAC	05/11/26
Toluene	< 0.100	mg/kg	1	0.005	0.100	SW846 8021B-S	SAC	05/11/26
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.008	0.200	SW846 8021B-S	SAC	05/11/26
Total Volatile Hydrocarbons								
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC	05/11/26
Semi-Volatile								
TPH Diesel	< 10.0	mg/kg	1	4.24	10.0	SW846 8015B-S	SAC	05/12/26
Extraction								
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC	05/12/26

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	91.2 %	(75.12) - (104.4)	1	SW846 8021B QC	SAC	05/11/26
Surrogate Recovery-SV						
Ortho-Terphenyl	92.5 %	(62.05) - (118.7)	1	SW846 8015-S QC	SAC	05/13/26

Report Approved By:

Report Approved On: 5/14/2026 5:20:43 PM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site:	SB-2 S5
Project Name:	Johnson Siding Tier 2
Project Number:	P-0049126
Sampled:	04/29/26 at 10:15 AM by Jeremy Huot
Sample Matrix:	Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#:	20260429542
Received:	04/29/26 at 12:54 PM by Ryan Bucy
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 0.050	mg/kg	1	0.004	0.050	SW846 8021B-S	SAC	05/11/26
Ethylbenzene	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Naphthalene	< 0.200	mg/kg	1	0.018	0.200	SW846 8021B-S	SAC	05/11/26
Toluene	< 0.100	mg/kg	1	0.005	0.100	SW846 8021B-S	SAC	05/11/26
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.008	0.200	SW846 8021B-S	SAC	05/11/26
Total Volatile Hydrocarbons								
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC	05/11/26
Semi-Volatile								
TPH Diesel	< 10.0	mg/kg	1	4.24	10.0	SW846 8015B-S	SAC	05/12/26
Extraction								
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC	05/12/26

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	90.7 %	(75.12) - (104.4)	1	SW846 8021B QC	SAC	05/11/26
Surrogate Recovery-SV						
Ortho-Terphenyl	88.7 %	(62.05) - (118.7)	1	SW846 8015-S QC	SAC	05/13/26

Report Approved By:

Report Approved On: 5/14/2026 5:20:43 PM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site:	SB-3 S7
Project Name:	Johnson Siding Tier 2
Project Number:	P-0049126
Sampled:	04/29/26 at 09:15 AM by Jeremy Huot
Sample Matrix:	Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#:	20260429543
Received:	04/29/26 at 12:54 PM by Ryan Bucy
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 0.050	mg/kg	1	0.004	0.050	SW846 8021B-S	SAC	05/11/26
Ethylbenzene	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.004	0.100	SW846 8021B-S	SAC	05/11/26
Naphthalene	< 0.200	mg/kg	1	0.018	0.200	SW846 8021B-S	SAC	05/11/26
Toluene	< 0.100	mg/kg	1	0.005	0.100	SW846 8021B-S	SAC	05/11/26
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.008	0.200	SW846 8021B-S	SAC	05/11/26
Total Volatile Hydrocarbons								
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC	05/11/26
Semi-Volatile								
TPH Diesel	< 10.0	mg/kg	1	4.24	10.0	SW846 8015B-S	SAC	05/12/26
Extraction								
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC	05/12/26

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	91.1 %	(75.12) - (104.4)	1	SW846 8021B QC	SAC	05/11/26
Surrogate Recovery-SV						
Ortho-Terphenyl	99.90%	(62.05) - (118.7)	1	SW846 8015-S QC	SAC	05/13/26

Report Approved By:

Report Approved On: 5/14/2026 5:20:43 PM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Lab Numbers: 20260429541 - 20260429543

QC Sample Report

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Spike								
TPH-Diesel	0429541	152	< 10.0	200	1	76.2 %	(55.09) - (111.7)	SW846 8015B-S
Matrix Spike Duplicate								
TPH-Diesel	0429541	161	152		1	5.49%	(-27.82) - (24.43)	SW846 8015B-S
Duplicate								
Benzene	0429543	< 0.050	< 0.050		1	0.00%		SW846 8021B-S
Ethylbenzene	0429543	< 0.100	< 0.100		1	0.00%	(-65.65) - (50.57)	SW846 8021B-S
MTBE	0429543	< 0.100	< 0.100		1	0.00%		SW846 8021B-S
Naphthalene	0429543	< 0.200	< 0.200		1	0.00%		SW846 8021B-S
Toluene	0429543	< 0.100	< 0.100		1	0.00%		SW846 8021B-S
Xylenes(o,m,p)	0429543	< 0.200	< 0.200		1	0.00%	(-153.3) - (161.7)	SW846 8021B-S
TPH Gas	0429543	< 10.0	< 10.0		1	0.00%	(-82.81) - (74.28)	SW846 8015B-S
Initial Calibration Verification								
TPH-Diesel		830	1000		1	-17.0 %	(-36.56) - (30.28)	SW846 8015B-S
Continuing Calibration Verification								
Benzene		22.9	25.0		1	-8.56%	(-25.59) - (10.29)	SW846 8021B
Benzene		22.2	25.0		1	-11.0 %	(-25.59) - (10.29)	SW846 8021B
Ethylbenzene		23.5	25.0		1	-5.93%	(-19.93) - (11.35)	SW846 8021B
Ethylbenzene		24.5	25.0		1	-2.19%	(-19.93) - (11.35)	SW846 8021B
MTBE		23.0	25.0		1	-8.01%	(-27.29) - (10.72)	SW846 8021B
MTBE		23.4	25.0		1	-6.34%	(-27.29) - (10.72)	SW846 8021B
Naphthalene		21.7	25.0		1	-13.2 %	(-40.03) - (18.17)	SW846 8021B
Naphthalene		26.7	25.0		1	6.87%	(-40.03) - (18.17)	SW846 8021B
Toluene		23.6	25.0		1	-5.49%	(-22.15) - (12.81)	SW846 8021B
Toluene		24.4	25.0		1	-2.41%	(-22.15) - (12.81)	SW846 8021B
Xylenes(o,m,p)		70.8	75.0		1	-5.55%	(-24.32) - (12.95)	SW846 8021B
Xylenes(o,m,p)		72.7	75.0		1	-3.03%	(-24.32) - (12.95)	SW846 8021B
TPH Gas		1830	2000		1	-8.51%	(-8.872) - (8.494)	SW846 8015B
TPH Gas		1980	2000		1	-1.24%	(-8.872) - (8.494)	SW846 8015B
TPH-Diesel		889	1000		1	-11.1 %	(-26.31) - (19.64)	SW846 8015B-S
TPH-Diesel		912	1000		1	-8.80%	(-27.31) - (19.79)	SW846 8015B-S
Lab Control Spike								
Benzene		9.01	0.00	10.0	1	90.1 %	(73.98) - (118.0)	SW846 8021B
Benzene		0.951	0.00	1.00	1	95.1 %	(71.40) - (119.3)	SW846 8021B-S

Lab Numbers: **20260429541 - 20260429543**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Lab Control Spike								
Ethylbenzene		8.88	0.00	10.0	1	88.8 %	(72.83) - (114.5)	SW846 8021B
Ethylbenzene		0.995	0.00	1.00	1	99.5 %	(71.02) - (126.8)	SW846 8021B-S
MTBE		9.48	0.00	10.0	1	94.8 %	(74.63) - (121.6)	SW846 8021B
MTBE		0.969	0.00	1.00	1	96.9 %	(58.60) - (135.2)	SW846 8021B-S
Naphthalene		10.9	0.00	10.0	1	109.2 %	(61.74) - (153.7)	SW846 8021B
Naphthalene		0.812	0.00	1.00	1	81.2 %	(50.84) - (121.6)	SW846 8021B-S
Toluene		8.90	0.00	10.0	1	89.0 %	(69.74) - (123.8)	SW846 8021B
Toluene		1.01	0.00	1.00	1	101.2 %	(71.83) - (123.9)	SW846 8021B-S
Xylenes(o,m,p)		28.6	0.00	30.0	1	95.3 %	(76.25) - (122.4)	SW846 8021B
Xylenes(o,m,p)		3.04	0.00	3.00	1	101.5 %	(69.88) - (125.6)	SW846 8021B-S
TPH Gas		1020	0.00	1000	1	102.3 %	(83.80) - (113.4)	SW846 8015B
TPH Gas		104	0.00	100	1	104.0 %	(75.00) - (119.3)	SW846 8015B-S
TPH-Diesel		145	0.00	200	1	72.4 %	(66.26) - (93.90)	SW846 8015B-S
Lab Reagent Blank								
TPH-Diesel		0.00	0.00		1	0	(-4.952) - (7.670)	SW846 8015B-S

Approved By: 

Approved On: 05/14/2026 05:20 PM

AMERICAN ENGINEERING TESTING, INC.

☐ St. Paul Office
550 Cleveland Ave. N.
St. Paul, MN 55114
651-659-9001
651-659-1379 (fax)

☒ OTHER Rapid City Office
ADDRESS: 1745 Samco Rd
Rapid City, SD
PHONE: 605-388-0029

16320

PAGE 1 OF 1

AET PROJECT NUMBER P-0049126
PROJECT NAME/LOCATION Johnson Siding Tier 2
AET PROJECT MANAGER Jeremy Huot
SEND REPORT TO Jeremy Huot
SAMPLED BY (PRINT) Jeremy Huot
SAMPLER SIGNATURE Jeremy Huot

REQUESTED TURNAROUND TIME: ☒ NORMAL ☐ RUSH
DATE NEEDED BY:

ITEM#	SAMPLE DESCRIPTION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	MeOH	HCL	H_2SO_4	HNO_3	FIELD FILTERED Y/N	ANALYSIS: TPH-G, BTEX, MTBE	TPH-D, Naphthalene	REMARKS
1	SB-1 S8	4/29/26	10:50	Soil	2	X					N	X	X	2026042951
2	SB-2 S5	4/29/26	10:15	Soil	2	X					N	X	X	↓ S42
3	SB-3 S7	4/29/26	9:15	Soil	2	X					N	X	X	↓ S43

NOTE: Temp: 16.7

ITEM NUMBER	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-3	J Huot / AET	R Bucy	4/29/26	12:54

MIDCONTINENT TESTING LABORATORIES

SAMPLE RECEIPT CHECKLIST

Company Name AET

Date/Time Received 4/29/26 (Date) / 1254 (Time)

Project Johnson Siding Tier 2

Received by R Bucy

Lab Number(s) 20260429541-543

Carrier Name Hand Delivered

UNPACKING

Yes	No		Initials
☑	☐	1. Shipping container in good condition?	SAC
☐	☑	2. Custody seals present on shipping container? Condition: Intact Broken	
☑	☐	3. (Ice) / Blue Ice (circle one) present in shipping container? Container(s) Temp. 1. 16.7°C 2. _____ 3. _____ 4. _____	
☐	☑	4. Bottles broken and/or leaking? (Photograph broken bottles.)	
☐	☑	5. Custody seals on sample bottles? Condition: Intact Broken	

LABELING

Yes	No		Initials
☑	☐	6. Chain of custody Present?	SAC
☑	☐	7. Chain of custody includes signatures, dates, and times when relinquished and received?	
☑	☐	8. Chain of custody agrees with bottle count?	
☑	☐	9. Chain of custody agrees with labels?	
☑	☐	10. Samples received within holding times?	
☑	☐	11. Samples in proper container?	
☑	☐	12. Sufficient sample volume for indicated tests?	

PRESERVATIVE

Yes	No		Initials	Yes	No		Initials
☐	☐	13. Metals bottle(s) pH < 2?		☐	☐	17. TOC bottle(s) pH < 2?	
☐	☐	14. Nutrient bottle(s) pH < 2?		☐	☐	18. Oil & Grease bottle(s) pH < 2?	
☐	☐	15. Cyanide bottle(s) pH > 12?		☐	☐	19. Volatiles pH < 2?	
☐	☐	16. Sulfide bottle(s) pH > 9?					

COMMENTS:

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

REVIEWED
By Jeremy Huot at 7:24 am, May 12, 2026

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Sample Site: Johnson Siding Well
Project Name: Johnson Siding Tier 2
Project Number: P-0049126
Sampled: 04/30/26 at 09:15 AM by Jeremy Huot
Sample Matrix: Water

Lab ID#: 20260430501
Received: 04/30/26 at 09:52 AM by Ryan Bucy
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Volatile							
Benzene	< 1.00	µg/L	1	0.052	1.00	SW846 8021B	SAC 05/04/26
Ethylbenzene	< 1.00	µg/L	1	0.120	1.00	SW846 8021B	SAC 05/04/26
Naphthalene	< 4.00	µg/L	1	0.048	4.00	SW846 8021B	SAC 05/04/26
Toluene	< 1.00	µg/L	1	0.060	1.00	SW846 8021B	SAC 05/04/26
Xylenes(o,m,p)	< 3.00	µg/L	1	0.280	3.00	SW846 8021B	SAC 05/04/26
Total Volatile Hydrocarbons							
TPH as Gasoline	< 100	µg/L	1	4.82	100	SW846 8015B	SAC 05/04/26
Semi-Volatile							
TPH Diesel	< 0.500	mg/L	1	0.180	0.500	SW846 8015B	SAC 05/07/26
Extraction							
Extraction TPH/SOC	1	none	1			SW846 3510	SAC 05/06/26

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-Volatile					
4-Bromofluorobenzene	87.0 %	(73.73) - (102.4)	1	SW846 8021B QC	SAC 05/04/26
Surrogate Recovery-SV					
Ortho-Terphenyl	92.9 %	(50.19) - (115.6)	1	SW846 8015 QC	SAC 05/07/26

Report Approved By:



Report Approved On: 5/11/2026 3:40:30 PM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site: Trip Blank
Project Name: Johnson Siding Tier 2
Project Number: P-0049126
Sampled: 04/30/26 at 08:00 AM
by Jeremy Huot
Sample Matrix: Water

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#: 20260430502
Received: 04/30/26 at 09:52 AM
by Ryan Bucy
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 1.00	µg/L	1	0.052	1.00	SW846 8021B	SAC	05/04/26
Ethylbenzene	< 1.00	µg/L	1	0.120	1.00	SW846 8021B	SAC	05/04/26
Naphthalene	< 4.00	µg/L	1	0.048	4.00	SW846 8021B	SAC	05/04/26
Toluene	< 1.00	µg/L	1	0.060	1.00	SW846 8021B	SAC	05/04/26
Xylenes(o,m,p)	< 3.00	µg/L	1	0.280	3.00	SW846 8021B	SAC	05/04/26
Total Volatile Hydrocarbons								
TPH as Gasoline	< 100	µg/L	1	4.82	100	SW846 8015B	SAC	05/04/26

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	87.9 %	(73.73) - (102.4)	1	SW846 8021B QC	SAC	05/04/26

Report Approved By:

Report Approved On: 5/11/2026 3:40:30 PM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Lab Numbers: 20260430501 - 20260430502

QC Sample Report

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Spike								
Benzene	0326501	9.31	< 1.00	10.0	1	93.1 %	(74.40) - (114.2)	SW846 8021B
Ethylbenzene	0326501	9.26	< 1.00	10.0	1	92.6 %	(79.74) - (104.4)	SW846 8021B
Naphthalene	0326501	8.36	< 4.00	10.0	1	83.6 %	(62.22) - (147.8)	SW846 8021B
Toluene	0326501	9.32	< 1.00	10.0	1	93.2 %	(75.31) - (113.2)	SW846 8021B
Xylenes(o,m,p)	0326501	28.0	< 3.00	30.0	1	93.3 %	(78.21) - (113.9)	SW846 8021B
TPH Gas	0326503	939	< 100	1000	1	93.9 %	(64.46) - (130.8)	SW846 8015B
TPH-Diesel	0506601	3.77	0.00	6.00	1	62.8 %	(54.47) - (94.30)	SW846 8015B
Matrix Spike Duplicate								
Benzene	0326501	9.06	9.31		1	-2.81%	(-7.299) - (6.646)	SW846 8021B
Ethylbenzene	0326501	9.11	9.26		1	-1.61%	(-7.823) - (6.561)	SW846 8021B
Naphthalene	0326501	8.76	8.36		1	4.71%	(-9.219) - (6.681)	SW846 8021B
Toluene	0326501	9.13	9.32		1	-2.02%	(-7.909) - (6.447)	SW846 8021B
Xylenes(o,m,p)	0326501	27.6	28.0		1	-1.37%	(-7.487) - (5.973)	SW846 8021B
TPH Gas	0326503	961	939		1	2.32%	(-5.879) - (4.350)	SW846 8015B
TPH-Diesel	0506601	3.18	3.77		1	-17.0 %	(-21.23) - (15.28)	SW846 8015B
Initial Calibration Verification								
TPH-Diesel		1050	1000		1	4.50%	(-26.27) - (27.44)	SW846 8015B
Continuing Calibration Verification								
Benzene		22.8	25.0		1	-8.62%	(-28.44) - (11.24)	SW846 8021B
Benzene		23.4	25.0		1	-6.21%	(-28.44) - (11.24)	SW846 8021B
Ethylbenzene		24.9	25.0		1	-0.292%	(-22.47) - (11.75)	SW846 8021B
Ethylbenzene		24.1	25.0		1	-3.60%	(-22.47) - (11.75)	SW846 8021B
Naphthalene		23.3	25.0		1	-6.63%	(-40.65) - (18.36)	SW846 8021B
Naphthalene		23.9	25.0		1	-4.29%	(-40.65) - (18.36)	SW846 8021B
Toluene		24.3	25.0		1	-2.93%	(-24.03) - (12.74)	SW846 8021B
Toluene		25.0	25.0		1	0.020%	(-24.03) - (12.74)	SW846 8021B
Xylenes(o,m,p)		74.4	75.0		1	-0.867%	(-26.69) - (12.86)	SW846 8021B
Xylenes(o,m,p)		72.6	75.0		1	-3.24%	(-26.69) - (12.86)	SW846 8021B
TPH Gas		2020	2000		1	0.751%	(-9.968) - (8.755)	SW846 8015B
TPH Gas		2040	2000		1	1.99%	(-9.968) - (8.755)	SW846 8015B
TPH Gas		1920	2000		1	-3.76%	(-10.03) - (8.995)	SW846 8015B
TPH Gas		2010	2000		1	0.263%	(-10.03) - (8.995)	SW846 8015B
TPH-Diesel		1110	1000		1	10.5 %	(-27.92) - (31.40)	SW846 8015B
TPH-Diesel		911	1000		1	-8.90%	(-27.70) - (30.98)	SW846 8015B

Lab Numbers: **20260430501 - 20260430502**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Lab Control Spike								
Benzene		8.99	0.00	10.0	1	89.9 %	(74.78) - (118.2)	SW846 8021B
Ethylbenzene		8.92	0.00	10.0	1	89.2 %	(73.32) - (114.6)	SW846 8021B
Naphthalene		8.69	0.00	10.0	1	86.9 %	(61.08) - (154.1)	SW846 8021B
Toluene		9.53	0.00	10.0	1	95.3 %	(69.80) - (124.6)	SW846 8021B
Xylenes(o,m,p)		29.2	0.00	30.0	1	97.4 %	(76.44) - (122.8)	SW846 8021B
TPH Gas		1040	0.00	1000	1	103.8 %	(84.02) - (112.7)	SW846 8015B
TPH-Diesel		3.53	0.00	6.00	1	58.8 %	(45.24) - (94.09)	SW846 8015B
Lab Reagent Blank								
Benzene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B
Ethylbenzene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B
Naphthalene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B
Toluene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B
Xylenes(o,m,p)		0.815	0.00		1	0.8151	(-0.9381) - (1.921)	SW846 8021B
TPH-Diesel		0.00	0.00		1	0	(-0.1999) - (0.3054)	SW846 8015B

Approved By: 

Approved On: 05/11/2026 03:40 PM

AMERICAN ENGINEERING TESTING, INC.

☐ St. Paul Office
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St. Paul, MN 55114
651-659-9001
651-659-1379 (fax)

☒ OTHER Rapid City Office
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Rapid City, SD
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16327

PAGE 1 OF 1

AET PROJECT NUMBER P-0049126
PROJECT NAME/LOCATION Johnson Siding Tier 2
AET PROJECT MANAGER Jeremy Huot
SEND REPORT TO Jeremy Huot
Jeremy Huot
SAMPLED BY (PRINT)
SAMPLER SIGNATURE

REQUESTED TURNAROUND TIME: ☒ NORMAL ☐ RUSH
DATE NEEDED BY:

ITEM#	SAMPLE DESCRIPTION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	PRESERVATIVES: MeOH	PRESERVATIVES: HCL (40mL Only)	PRESERVATIVES: H_2SO_4	PRESERVATIVES: HNO_3	FIELD FILTERED Y/N	ANALYSIS: TPH-G, BTEX	ANALYSIS: TPH-D, Naphthalene	REMARKS
1	Johnson Siding Well	4/30/26	9:15	Water	4	X		X			N	X	X	20260430501
2	Trip Blank													502

NOTE: Temp: 13.5°C on blue ice

ITEM NUMBER	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-2	Huot/AET	RBuy	4/30/26	9:52

MIDCONTINENT TESTING LABORATORIES

SAMPLE RECEIPT CHECKLIST

Company Name AET

Date/Time Received 4/30/26 (Date) / 9:52 (Time)

Project Johnson Siding Tier 2

Received by R. Bucy

Lab Number(s) 20260430501 / 502

Carrier Name Hand Delivered

UNPACKING

Yes	No		Initials
☑	☐	1. Shipping container in good condition?	JAC
☐	☑	2. Custody seals present on shipping container? Condition: Intact Broken	
☑	☐	3. Ice / Blue Ice (circle one) present in shipping container? Container(s) Temp. 1. 13.5°C 2. _____ 3. _____ 4. _____	
☐	☑	4. Bottles broken and/or leaking? (Photograph broken bottles.)	
☐	☑	5. Custody seals on sample bottles? Condition: Intact Broken	

LABELING

Yes	No		Initials
☑	☐	6. Chain of custody Present?	JAC
☑	☐	7. Chain of custody includes signatures, dates, and times when relinquished and received?	
☑	☐	8. Chain of custody agrees with bottle count?	
☑	☐	9. Chain of custody agrees with labels?	
☑	☐	10. Samples received within holding times?	
☑	☐	11. Samples in proper container?	
☑	☐	12. Sufficient sample volume for indicated tests?	

PRESERVATIVE

Yes	No		Initials	Yes	No		Initials
☐	☐	13. Metals bottle(s) pH < 2?		☐	☐	17. TOC bottle(s) pH < 2?	
☐	☐	14. Nutrient bottle(s) pH < 2?		☐	☐	18. Oil & Grease bottle(s) pH < 2?	
☐	☐	15. Cyanide bottle(s) pH > 12?		☐	☐	19. Volatiles pH < 2?	
☐	☐	16. Sulfide bottle(s) pH > 9?					

COMMENTS: