CERTIFICATION OF CORRECTION ACTION COMPLETION REPORT FOR THE ASHLAND INC. KANSAS CITY, KANSAS FACILITY EPA I.D. No. KSD 057 889 313

Date: August 2009

Project No.: 37680149

URS

URS Corporation
Dublin, OH 43017

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1.0 Introduction

Ashland Inc. (Ashland) presents this Well Abandonment/Remediation System Closure Report (Closure Report) for the Ashland Distribution facility in Kansas City, Kansas (Site). The Site is located at 5420 Speaker Road in Kansas City, Kansas as shown on **Figure 1**. The Site occupies approximately 5.7 acres in an area designated as industrial in Wyandotte County and has operated as a wholesale industrial chemicals and solvents distribution facility supplying industrial and commercial users throughout the Midwest. A Site Layout Map is shown as **Figure 2**.

The main regulatory driving force for this facility is the Corrective Action requirement under the Resource Conservation and Recovery Act (RCRA). The RCRA Corrective Action Program is enforced by the United States Environmental Protection Agency (EPA) principally through statutory authorities established by the Hazardous and Solid Waste Amendments of 1984 (HSWA) and is intended to address remediation of hazardous releases related to RCRA-permitted facilities. Section 3005(u) of the HSWA gives EPA statutory authority to require corrective action as a condition of a facility's Part B permit.

2.0 Background

Under the HWSA, the EPA issued Part II of the permit for the Site on September 29, 2000. The facility submitted a Corrective Measures Study (CMS) and Corrective Measures Implementation (CMI) Plan to the EPA in February of 2001. The CMS recommended that corrective measures selected for the site include an air sparge/soil vapor extraction system (AS/SVE). In a letter dated March 1, 2004, EPA approved the CMI plan submitted in February 2001.

The AS/SVE system operated from January 10, 2005 to January 10, 2006. **Figure 3** shows the AS/SVE system layout. The system was then shut down to observe for any potential rebound effects in groundwater. Following the shutdown of the system, groundwater samples were collected quarterly for two years for laboratory analysis and contaminant concentrations were all below their respective maximum contaminant levels (MCLs).

On November 21, 2006, Ashland submitted a Class 3 permit modification request to address the corrective action requirements in the form of a "Corrective Action Complete" determination for the facility. The request only applied to Part II of the permit issued by the EPA. In response to the draft permit modification request, a Draft Permit Modification was submitted by the EPA for public comment on September 15, 2008 through November 15, 2008. On February 3, 2009, EPA notified Ashland that no public comments were received for the draft permit modification. The remaining activities required in accordance with the permit modification were:

- Plug and abandon all monitor wells, air sparge wells and AS/SVE wells in accordance with Kansas regulations K.A.R. 28-30-2 through K.A.R. 28-30-4, K.A.R. 28-30-7, and the Class V Air Sparging Permit request approved by Kansas Department of Health and Environment dated June 28, 2004
- Decontaminate, decommission, dismantle and remove the above ground treatment system and piping.
- Application to KDHE to terminate the underground injection permit for sparge air approved on June 28, 2004.

The purpose of this Closure Report is to summarize and document these field activities for the corrective action completion as outlined in the proposed addition to Part II of the Permit (see **Appendix A**, Section III.I.2).

3.0 Well Abandonment Activities

This section describes procedures utilized for abandoning the monitor well network, including groundwater monitoring wells, air sparge/soil vapor extraction (AS/SVE) wells, and temporary wells. A total of 40 wells exist within the monitor well network (see **Figure 4).** Twenty (20) wells are typical groundwater monitoring wells, twelve (10) wells are AS/SVE wells and ten (10) are temporary wells that remained in place. A list of the wells abandoned is included as **Table 1**.

All wells were abandoned in accordance with Kansas Department of Health and Environment (KDHE) regulations K.A.R. 28-30-02 through K.A.R. 28-30-07.

Well abandonment activities were documented via daily field reports, a Site logbook and a photographic record. The daily field reports are included as **Appendix B**; field notes from the Site logbook are included as **Appendix C**; and a photographic log of daily activities is included as **Appendix D**.

3.1 Monitoring Wells

Prior to abandonment, all wells were gauged for static water level and total depth. Water level measurements were collected using a Solinst water level meter. Measurements were collected from the top of casing (TOC) to the nearest 0.01 foot and recorded in the URS field logbook (**Appendix C**). Water level and total depth measurements are included in **Table 1**.

After gauging, the twenty monitoring wells were filled with bentonite chips to three feet below ground surface (bgs). The monitoring wells protective casings were removed and the polyvinyl chloride (PVC) well riser was drilled down to three feet bgs with an auger rig. After the PVC was drilled down, the remaining void was filled with backfill and topsoil. The ground surface was returned to a state similar to surrounding conditions.

Five monitoring wells within the well network were located offsite on the river side of the levee within the Argentine District of the Kaw Valley Drainage District. Representatives of Kaw Valley Drainage District were notified of the well abandonment activities that were completed on May 5, 2009. Two representatives of the Kaw Valley Drainage District, including Mr. Larry Brennan, visited the site during abandonment of the offsite wells. Mr. Brennan requested documentation of the activities taking place on the levee, which was provided in a letter dated June 19, 2009. A copy of the letter is included as **Appendix E**.

3.2 AS/SVE Wells

There were 10 AS/SVE wells located on-site. Seven of these wells were located in vaults. Prior to abandonment, all air lines and piping attached to the wells were removed and the wells were gauged (using the same techniques described in **Section 2.1**) for depth to water and depth to bottom and recorded in the URS field logbook (see **Appendix C**). After the wells were gauged, the wells were filled with bentonite chips to 3 feet bgs. The PVC well risers were then drilled down to three bgs and the remaining voids were filled with backfill and topsoil. Finally, vaults

were pulled and removed. The ground surface was returned to a state similar to surrounding conditions (e.g. grass or asphalt).

3.3 Temporary Wells

Prior to abandonment, all temporary wells were gauged (using the same techniques described in Section 2.1) for static water level and total depth. After gauging, the eight temporary wells were filled with bentonite chips to three feet below ground surface (bgs). The temporary wells protective casings were removed and the PVC well was drilled down to three feet bgs with an auger rig. After the PVC was drilled down, the remaining void was filled with backfill and topsoil.

The ground was returned to a state similar to surrounding conditions. Although originally only six temporary wells were initially identified, two additional temporary wells were discovered during site activities and were abandoned using the same methods.

3.4 KDHE Record Filing

The drilling Contractor completed the KDHE forms (WWC-5P) for each well abandonment and filed the completed forms with KDHE. Copies of the WWC-5P forms for each of the abandoned wells are included as **Appendix F**.

Note: In some cases, the water level and total depth data on the WWC-5P forms, as summarized on **Table 1**, are not consistent with the data in the field notes presented in **Appendix C**. The measurements included in the field notes are based on actual information collected in the field by the URS oversight personnel during well abandonment activities. The WWC-5P forms were prepared by the drilling subcontractor. The water level and total depth measurements included on the WWC-5P forms were estimated based on an adjustment calculation. The field measurements were measured from the top of casing prior to well abandonment. The well riser was augured down to approximately three feet below ground surface. The length of the well riser removed was measured by the subcontractor and are included on the WWC-5P forms. The water level measurements on the WWC-5P forms adjusted the field measurement to below ground surface by subtracting the length of the riser from the TOC to ground surface level.

4.0 Remediation System Closure Activities

This section describes the activities associated with the dismantling of the AS/SVE remediation system. The AS/SVE system consisted of a storage shed, an electrical panel, and the following equipment:

- Air compressor
- Filters
- Solenoids
- Pressure indicators
- Flow regulating valves
- Manifold
- 1/2" ID PVC hose – 500 ft.
- 1-1/4" OD Pipe (PVC) – 240 ft.
- Vacuum pump
- Vacuum breaker valve
- Air/water separator – 55 gal. drum
- Manifold
- Ball valves
- Sampling ports
- 1-1/2" ID vacuum hose
- 2" ID well casings
- EOS System

Closure of the system was conducted by PSC Industrial Outsourcing LP (PSC), with oversight provided by URS Corporation.

4.1 De-energizing the System

The remediation system was de-energized on May 4, 2009 by a licensed electrician, A.B. Electric, prior to dismantling the system equipment. The electrician worked with the Kansas City Power and Light to pull the meter to the system.

4.2 Conveyance Piping Removal

Piping and air lines between the storage shed and the AS/SVE wells were removed on May 7, 2009. All above ground piping within the interior of the shed were disassembled and stockpiled for disposal. Care was taken to capture and containerize any water that could have pooled within the system piping, however there was no pooled water evident within the system piping.

All system piping located exterior of the shed was also removed and stockpiled for future disposal. All exterior system piping was located above ground, such that there were no below ground system piping to abandon. Again, care was taken to capture and

containerize all water that may have pooled within the pipes, but no water was evident within the exterior system piping.

Following dismantling of the remaining system components as described in Section 3.3, the electrical lines were pulled and disconnected from the system control box.

4.3 Above Ground Machinery

The remaining above ground machinery, or system equipment, located within the storage shed included the air blower and the air/water separator (knock out tank). The system components were removed from the storage shed and decontaminated as described in Section 3.5.

Ownership of the system components was transferred to PSC for re-use.

4.4 Remediation System Compound

After all conveyance piping, system components and electrical lines were removed, field personnel proceeded with the demolition of the shed. Remains of the shed were stored in a construction roll-off box for future disposal. The ground was graded and grass seed was planted.

4.5 Decontamination

A decontamination area was set-up on site using heavy plastic sheeting with 4x4 sides to contain water, plywood floors to protect the plastic sheeting from puncture by equipment be decontaminated, and a sump pump to collect decontamination water (see photo in Appendix D). All decontamination rinse water was collected in the decontamination area and pumped into a 55-gallon closed-top drum. The knock out tank and other system components were decontaminated on May 11, 2009.

4.6 Waste Disposal

All water generated during abandonment activities was containerized in a new 55 gallon drum. Approximately 30 gallons of water were generated during the decontamination of the system components (see Section 3.5). Characterization samples of the decontamination water were collected on May 15, 2009 and June 1, 2009 to determine waste characteristics. Based on laboratory results and generator knowledge, decontamination water was determined to be non-hazardous and non-regulated and was disposed of accordingly to an approved disposal facility. Laboratory analytical reports of waste characterization samples are included as **Appendix G**.

All other waste generated during well abandonment activities (including well pads, protective casings, injection well vaults, concrete, manholes, remains of the remediation shed and PPE) was containerized in construction roll-off containers and disposed of in accordance with applicable regulations.

5.0 Class V Injection Permit Termination

On June 22, 2009, in accordance with Part II of the draft Permit, Section III.I.2, application to terminate the Class V Injection Permit approved on June 28, 2004 was submitted to KDHE. A copy of the June 22, 2009 correspondence is included as **Appendix H**.

6.0 Conclusions

Remediation of soil and groundwater has been successfully completed at the Ashland facility located at 5420 Speaker Road in Kansas City. Following installation and operation of an AS/SVE system, VOC concentrations in all monitor wells on the site decreased to less than the action levels set in the permit (MCLs) and remained so through two years of quarterly groundwater monitoring. Therefore, on February 3, 2009, EPA issued a draft modification to Part II of the permit reflecting the agency's determination that corrective action is complete without controls. In accordance with the permit modification, several additional actions were required to complete the remediation activities at the site, including:

- Plug and abandon all monitor wells, air sparge wells and AS/SVE wells in accordance with Kansas regulations K.A.R. 28-30-2 through K.A.R. 28-30-4, K.A.R. 28-30-7, and the Class V Air Sparging Permit request approved by Kansas Department of Health and Environment dated June 28, 2004
- Decontaminate, decommission, dismantle and remove the above ground treatment system and piping.
- Application to KDHE to terminate the underground injection permit for sparge air approved on June 28, 2004.

Ashland has performed these completion activities as detailed in the permit modification, and submittal of this Certification of Corrective Action Completion Report fulfills the final requirement for remediation on site. Upon approval of this report by EPA, all corrective action activities and groundwater monitoring are complete.

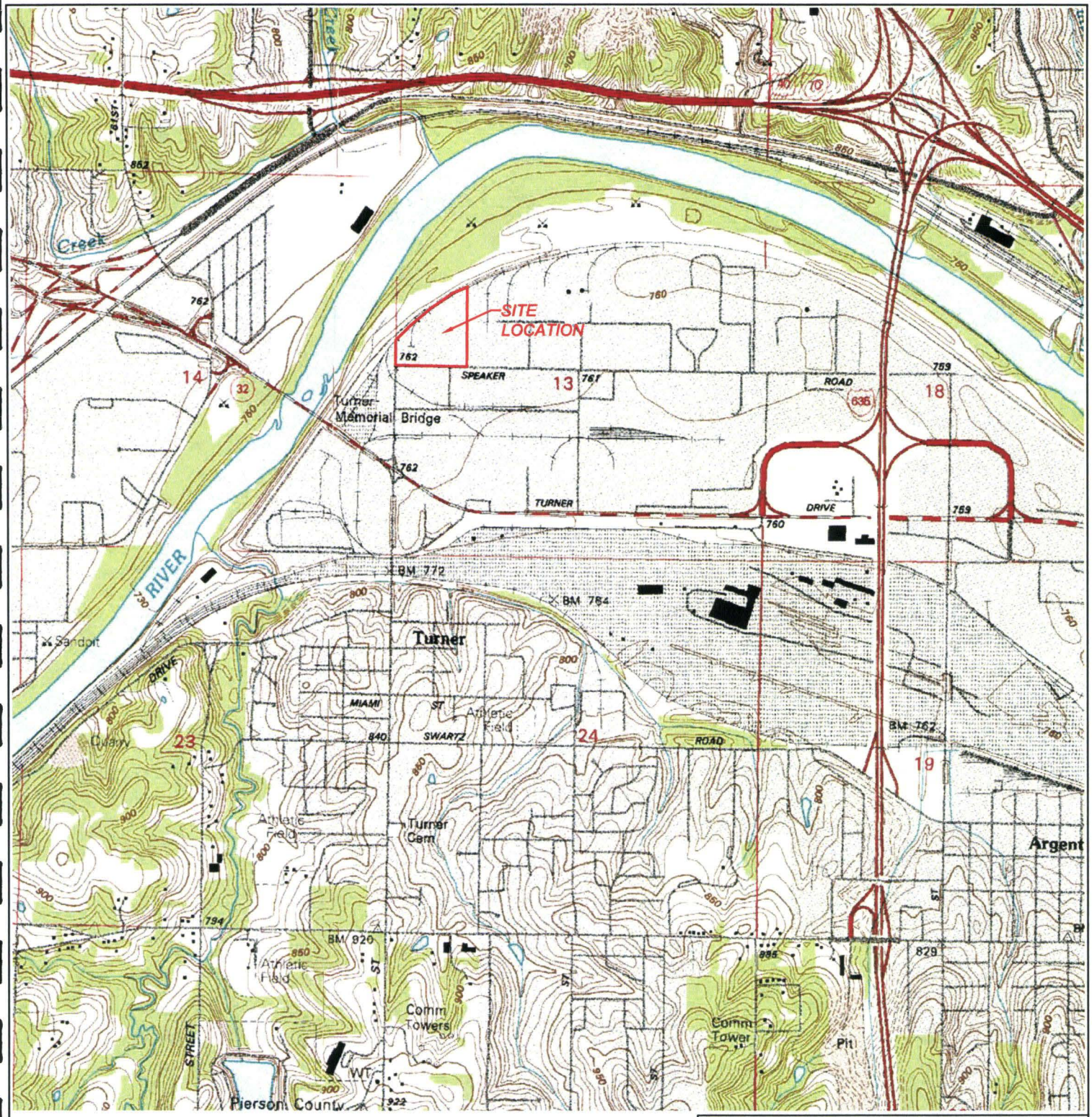
Tables

Table 1
Well Network List
Ashland Inc.
Kansas City, Kansas

Well ID	Depth to Water (feet bgs)	Total Depth (feet bgs)	Date Abandoned
Monitor Wells			
MW-1	37.51	48.5	5/6/2009
MW-2A	37.93	48.5	5/5/2009
MW-2B	37.54	72	5/5/2009
MW-3	38.58	47.5	5/4/2009
MW-4A	38.07	48	5/5/2009
MW-4B	36.89	67.5	5/5/2009
MW-5	37.27	47.5	5/5/2009
MW-6	39.14	47	5/4/2009
MW-7A	36.57	48	5/7/2009
MW-7B	37.25	99	5/7/2009
MW-8A	37.05	48	5/5/2009
MW-8B	37.43	62	5/5/2009
MW-9A	37.04	45	5/6/2009
MW-9B	38.55	70	5/6/2009
MW-10	29.5	41	5/5/2009
MW-11	33.88	39	5/5/2009
MW-12A	35.23	44.5	5/5/2009
MW-12B	35.23	68	5/5/2009
MW-13	35.04	44	5/5/2009
MW-14	41.34	44	5/4/2009
AS/SVE Injection Wells			
MW-101	36.98	60.4	5/6/2009
MW-104	39.71	59.3	5/6/2009
MW-105	39.81	60	5/6/2009
MW-106	37.2	58.7	5/6/2009
MW-107	40.03	59.2	5/6/2009
MW-108	37.34	70	5/6/2009
MW-109	40.35	69	5/6/2009
MW-110	39.31	69	5/6/2009
MW-111	39.15	68	5/6/2009
MW-112	40.11	69	5/6/2009
Temporary Wells			
MW-102	37.63	59.3	5/6/2009
MW-103	38.1	59.8	5/6/2009
TW-2	40.52	44.5	5/4/2009
TW-3	38.67	42.5	5/7/2009
TW-4	39.12	43	5/4/2009
TW-6	40.6	44	5/4/2009
TW-7	37.42	43	5/4/2009
TW-9	37.97	43.5	5/5/2009
TW-11	37.11	43.5	5/7/2009
TW-12	39.7	44	5/4/2009

Notes:
bgs = below ground surface

Figures



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SCALE: 1" - 2,000'

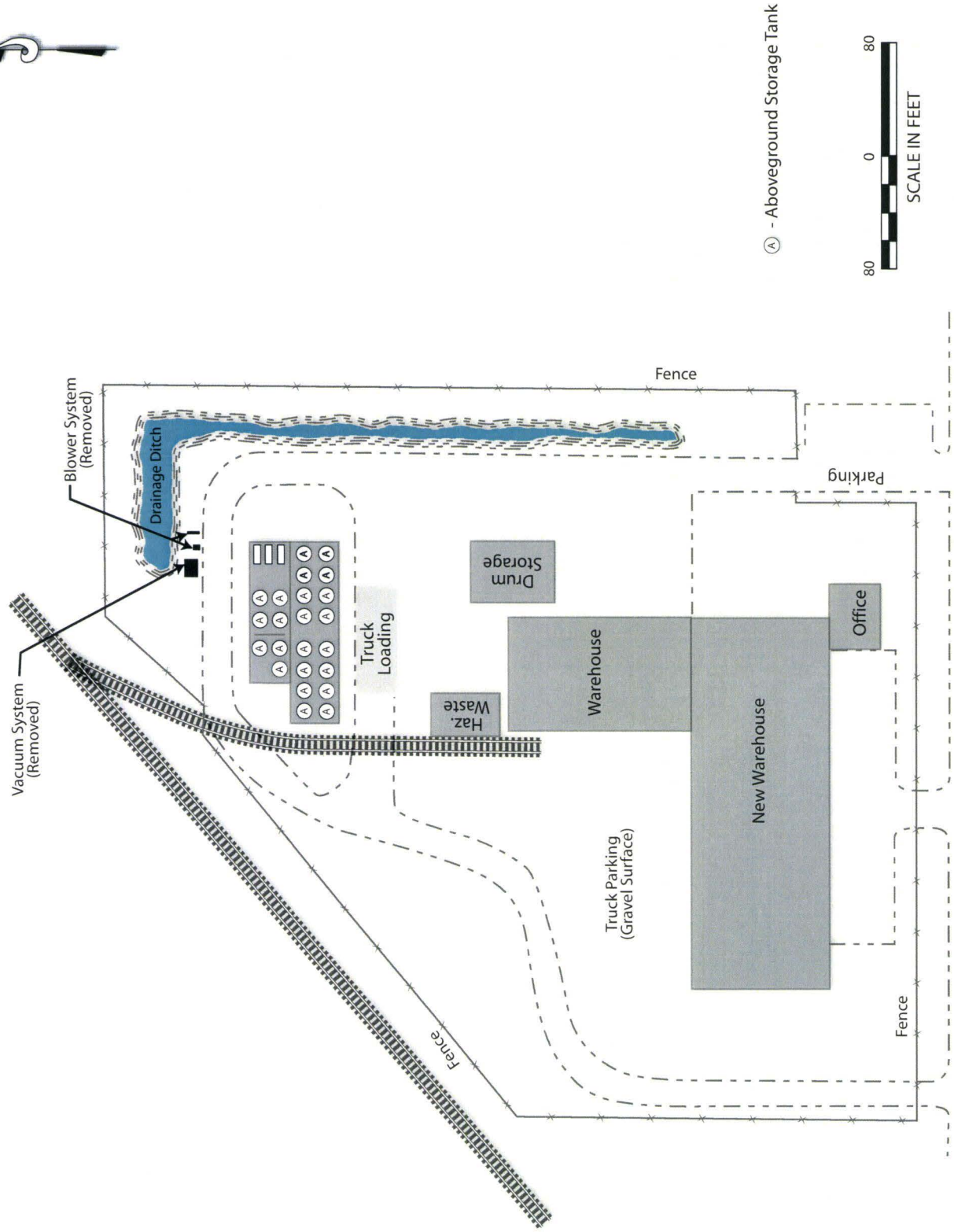
M:\Kansas City, KS\Fig1_Site-Location.dwg

URS

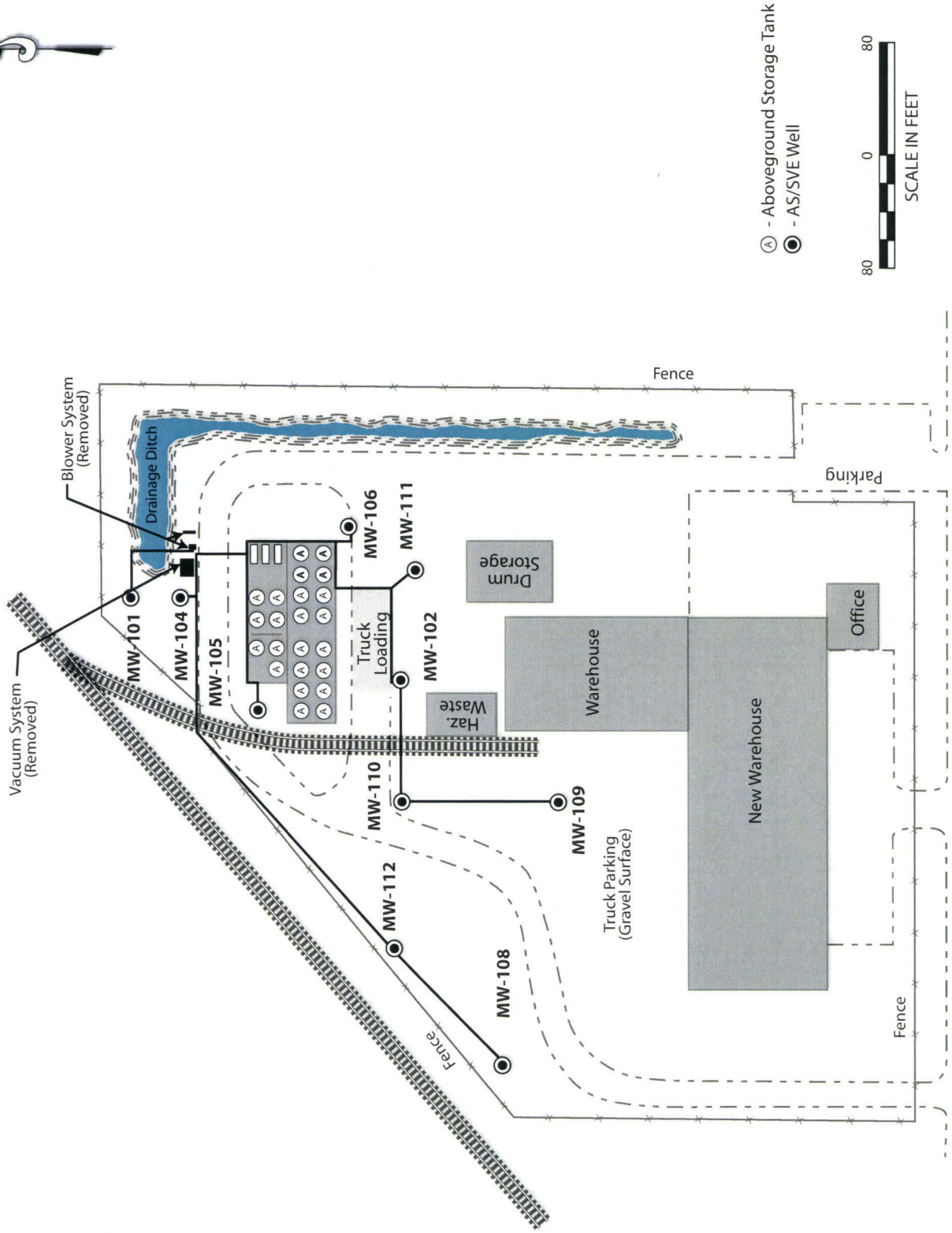
FIGURE 1
SITE LOCATION MAP

ASHLAND KANSAS CITY DSO
KANSAS CITY, KANSAS

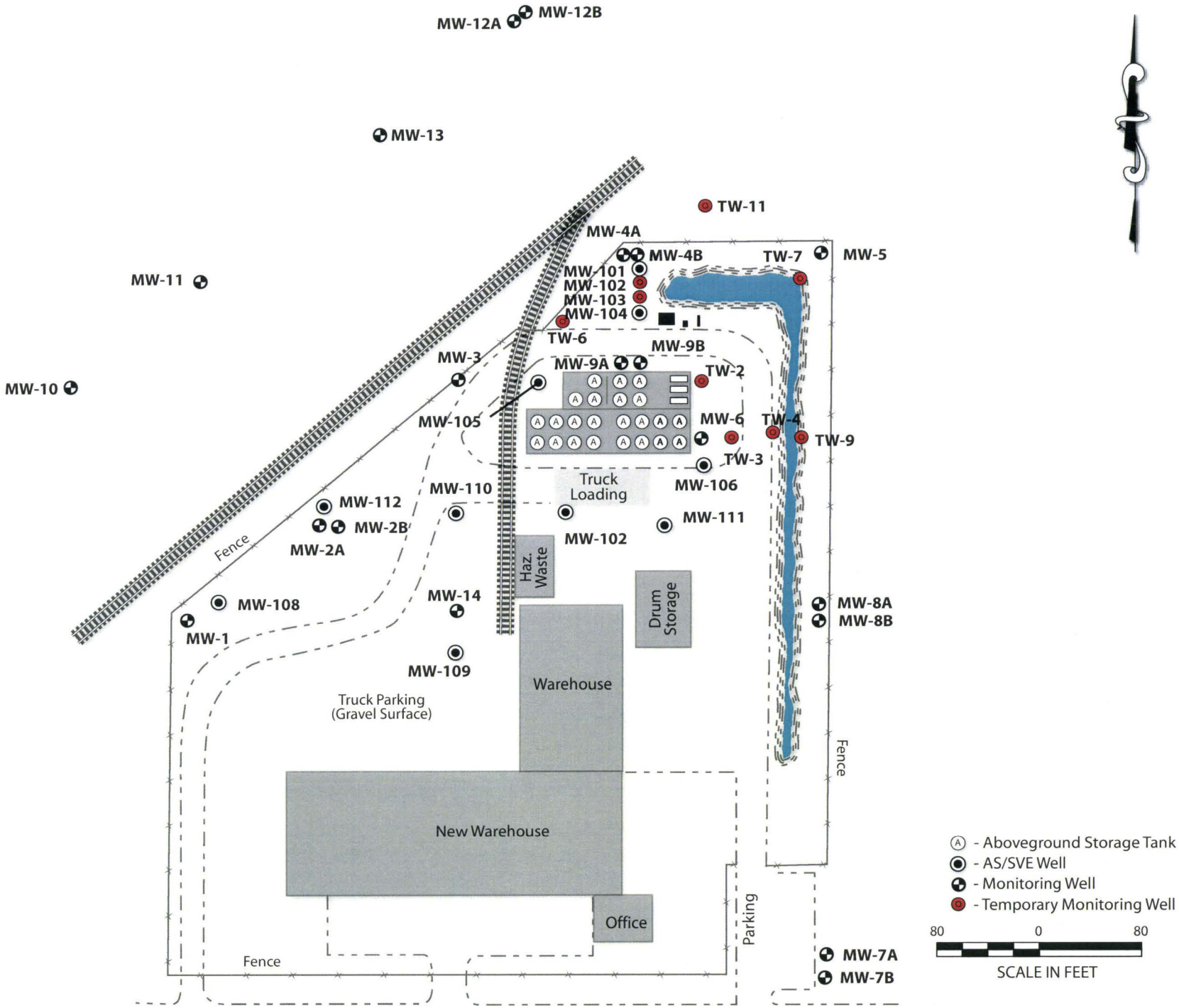
DRAWN BY: MDO	DATE DRAWN: 11/02/2007
REVIEWED BY: KS	DATE REVIEWED:
SCALE: 1" = 200'	PLOT DATE:
PROJECT NO.: 37680077	
REVISED BY:	REV. DATE:
REVISED BY:	REV. DATE:



CLIENT: Ashland		TITLE: Site Layout Map	
PROJECT: Ashland Kansas City Closure Report			
DATE: August 2009	DESIGNED BY:	URS	PROJ. NO.: 37680149
SCALE: As Shown	DRAWN BY: J. Gross		TASK: 09400
FILE: H:\proj\Ashland\KansasCity\July 2009\Sitemap.ai	CHECKED BY: K. Sansone		FIGURE: 2



CLIENT: Ashland		TITLE: AS/SVE System Layout	
PROJECT: Ashland Kansas City Closure Report			
DATE: August 2009	DESIGNED BY:	URS	PROJ. NO.: 37680149
SCALE: As Shown	DRAWN BY: J. Gross		TASK: 09400
FILE: H:\proj\Ashland\KansasCity\July 2009\AS-SVE Layout.ai	CHECKED BY: K. Sansone		FIGURE: 3



CLIENT: Ashland

PROJECT: Ashland Kansas City Closure Report

DATE: August 2009

DESIGNED BY:

SCALE: As Shown

DRAWN BY: J. Gross

CHECKED BY: K. Sansone

FILE: H:\proj\Ashland\KansasCity\July 2009\AbandonedWellMap.ai

URS

TITLE: Well Abandonment Map

PROJ. NO.: 37680149

TASK: 09400

FIGURE: 4

Appendix A: Draft Permit Modification Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

RECEIVED

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03 FEB 2009

Mr. Michael Dever
Remediation Project Manager
Ashland Chemical Company, Inc.
5200 Blazer Parkway
Dublin, Ohio 43017

RE: Final Remedy Selection and Part II Permit Modification for the Ashland Distribution Kansas City Facility, 5420 Speaker Road, Kansas City Kansas.

Dear Mr. Dever:

The Part II Permit Modification public comment period has ended for the Ashland Distribution (formerly Ashland Chemical) facility located at 5420 Speaker Road, Kansas City Kansas. No public comments were received. No modifications or changes to the proposed permit modification were made as a result of the public comment period. The Part II Permit Modification reflects the Environmental Protection Agency's determination that corrective action is complete without controls.

Part II of the Permit was issued to Ashland Distribution Company (Ashland) by EPA to address the requirements of the Hazardous and Solid Waste Amendments of 1984 to the Resource Conservation and Recovery Act (RCRA) because Kansas was not authorized to permit those RCRA requirements. Although modified, Part II of the Permit shall remain in place to address any future RCRA hazardous waste issues that may arise since Kansas is not authorized at this time to permit those RCRA requirements.

Ashland will perform completion activities as detailed in the Permit Modification and submit a Certification of Corrective Action Completion to EPA within 60 days of notification.

If you have any questions regarding this letter or modifications to the Part II Permit, please contact Harry Gabbert, of my staff at (913) 551-7652.

Sincerely,

Lynn M Slugantz

Lynn Slugantz, Chief
RCRA Corrective Action and Permits Branch
Air and Waste Management Division

Attachments

cc: Mostafa Kamal
KDHE

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

FINAL DECISION AND RESPONSE TO COMMENTS

06 JAN 2009

Ashland Distribution
5420 Speaker Road
Kansas City, Kansas 66106
RCRA ID# KSD057889313

In accordance with 40 CFR 270.41(a)(2), EPA has determined that changes were necessary to Part II of the Permit issued on September 29, 2000, to the subject facility at 5420 Speaker Road, Kansas City, Kansas to reflect the agency's determination that corrective action is complete without controls.

Part II of the Permit was issued to Ashland Distribution Company (Ashland) by EPA to address the requirements of the Hazardous and Solid Waste Amendments of 1984 to the Resource Conservation and Recovery Act because Kansas was not authorized to permit those RCRA requirements.

Soil and groundwater sampling at the site identified the chemicals of concern (COC) as various volatile organic compounds (VOCs), primarily toluene, xylenes, trichloroethylene, dichloroethene, tetrachloroethylene and methylene chloride. Contaminated soils were the main source for groundwater contamination. Hot spots of highly contaminated soil were excavated onsite and a groundwater monitoring system was installed and expanded upon over the years.

Several corrective action remedial alternatives were evaluated by Ashland including air sparging/soil vapor extraction (AS/SVE). The nature of the contamination and subsurface conditions were shown by pilot testing in January, 2000 to be suitable for AS/SVE. A complete system was installed and put into operation the following year after EPA approved the Corrective Measures Implementation Plan (CMI) for this technology.

Groundwater monitoring up through 2007 has shown that concentrations of all constituents of concern are below the action levels of maximum contaminant levels (MCLs) set forth under this Permit and have remained so for over two years. Therefore, the Director has cause to modify Part II of the Permit pursuant to 40 CFR 270.41(a)(2). EPA prepared a draft permit modification in the form of "Corrective Action Complete Without Controls" determination for the facility.

In accordance with 40 CFR 270.42(2), a 60-day public comment period was conducted from September15, 2008 to November15, 2008, with notification of review of the permit modification being provided via newspaper publication and fact sheet mailings. An Administrative Record with all relevant background material for review was made available for

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public viewing at the Kansas City Kansas Public Library, West Wyandotte Branch and at EPA Region VII Office in Kansas City, Kansas. No formal comments were submitted during the public comment period. No modifications or changes to the proposed draft permit modification were made as a result of the public comment period. Ashland will perform completion activities as detailed in the Permit Modification and submit a Certification of Corrective Action Completion to EPA within 60 days of notification.

Although modified, Part II of the Permit shall remain in place to address any future RCRA hazardous waste issues that may arise since Kansas is not authorized at this time to permit those RCRA requirements.

Based on the administrative record compiled for this permit modification of "Corrective Action Complete Without Controls", I have determined that this modification for the Ashland Distribution site in Kansas City, Kansas will be protective of human health and the environment.

If you have any questions and/or additional comments, please contact me at ext. 7652.

Attachment

Jeff for BW — 12/22/05

Approved — Date

Disapproved — Date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DRAFT PERMIT

PROPOSED (DRAFT) MODIFICATIONS TO PART II OF THE PERMIT

ORIGINALLY ISSUED BY EPA ON SEPTEMBER 29, 2000

ASHLAND CHEMICAL COMPANY

KANSAS CITY, KANSAS

RCRA ID# KSD057889313

In accordance with 40 CFR 270.41(a)(2), the EPA has determined that changes are necessary to Part II of the Permit issued on September 29, 2000, to the subject facility located at 5420 Speaker Road, Kansas City, Kansas, RCRA ID# KSD057889313 to reflect the agency's determination that corrective action is complete. The Part II will remain in effect as modified.

The Director referenced in 40 CFR 270.41 is defined in 40 CFR 270.2 as the EPA Regional Administrator. The Regional Administrator of EPA Region 7 has delegated authority to perform all actions necessary to issue, deny, modify, or revoke and reissue permits for owners and operators of hazardous waste treatment, storage, and disposal facilities pursuant to Section 3005 of RCRA to the Director of the Air and Waste Management Division of EPA Region 7 (hereafter referred to as "Director") or the Director's designated representative by delegation.

Part II of the Permit was issued to Ashland Chemical Company by the EPA to address the requirements of the Hazardous and Solid Waste Amendments of 1984 to the Resource Conservation and Recovery Act because Kansas was not authorized to permit those RCRA requirements. In 2000, the company notified the EPA of a name change to Ashland Distribution Company (Ashland).

A subsurface soil and groundwater sampling program was implemented at Ashland during the RCRA Facility Investigation (RFI) initiated in 1993 and completed in 1996. Chemicals of Concern (COCs) were identified using (1) historical documentation of types of chemicals handled by the facility, and (2) sampling detections in the soil and groundwater media. The nature and extent of the contamination was determined and is described in the 1993 RFI Report and as supplemented in 1996. A summary of the results of the RFI subsurface soil and groundwater sampling is presented in the table below.

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RCRA

Compound	USEPA Industrial Human Health PRGs (mg/kg)	Maximum Concentration in Soils at all Depths Sampled (mg/kg)	Present in Groundwater Detected
1,2 -Dichloroethene	150	34	Yes
Methylene Chloride	21	670	Yes
Ethylbenzene	230	270	Yes
Tetrachloroethylene	19	790	Yes
1,1,1-Trichloroethane	1400	54	Yes
Trichloroethylene	6.1	69	Yes
Toluene	520	1400	Yes
Total Xylenes	210	2100	Yes
1,1-Dichloroethene	0.12	0.32	Yes
Chlorobenzene	540	0.0065	Yes
1,4-Dichlorobenzene	8.1	0.056	Yes
Benzene	1.5	0.021	Yes
1,1-Dichloroethane	2100	0.1	Yes
1,3-Dichlorobenzene	52	0.84	Yes

No deep groundwater monitoring wells showed volatile organic compound (VOC) contamination above maximum contaminant levels (MCLs). In addition, degradation products were detected which indicated that natural attenuation of chlorinated VOCs may have been occurring in the subsurface.

Several corrective action remedial alternatives were evaluated by Ashland, including air sparging/soil vapor extraction (AS/SVE) systems. The nature of the contamination and subsurface conditions at Ashland were suitable for AS/SVE so Ashland conducted pilot testing of the system in January, 2000. Results were favorable with up to 18 lbs of VOCs being extracted per day. In addition, biological degradation was enhanced with oxygen being injected into the subsurface. Based on the positive results of the pilot test, EPA selected and approved the Corrective Measures Implementation Plan (CMI) for SVE at the Ashland facility in January, 2001.

Ashland has implemented corrective action at the facility in the form of air sparging/soil vapor extraction (AS/SVE) in accordance with the Corrective Measures Implementation Plan (CMI) dated February 2001 and approved in a letter from EPA dated March 1, 2004.

The EPA has information presented in the Annual Groundwater Monitoring Report, dated June 28, 2007, previous annual groundwater monitoring reports, and subsequent sampling results for quarterly groundwater sampling conducted in August and November 2007. These reports show that concentrations of all constituents of concern in site groundwater are below action levels set forth under this Permit (Maximum Contaminant Levels (MCLs) established by EPA as drinking water standards) and have remained so for two years. Therefore, the Director has cause to modify Part II of the Permit pursuant to 40 CFR 270.41(a)(2).

The EPA has now prepared this draft permit modification in the form of a "Corrective Action Complete" determination for the facility. This draft permit modification is based upon information presented in:

- The Class 3 Permit Modification request by Ashland dated November 21, 2006
- The Annual Groundwater Monitoring Report dated August 17, 2006
- The Annual Groundwater Monitoring Report dated June 28, 2007
- Results of the Quarterly Groundwater Sampling of MW-2A, MW-6, and MW-9A from August and November 2007.

The following is EPA's proposed addition to Part II of the Permit, Section III.I, detailing the remaining requirements to be completed by Ashland in response to this "Corrective Action Complete" determination.

III.I. Corrective Measures Implementation

III.I.1. Public Comment Period

a. The Environmental Protection Agency shall prepare notifications to implement the public notice and a 60-day public comment period in accordance with 40 CFR 270.42(2) that the corrective action implemented to address groundwater contamination at the facility has been completed except for close out activities. Contact shall be Harry Gabbert, U.S. Environmental Protection Agency, RCAP Branch, Air and Waste Management Division, 901 North 5th Street, Kansas City, Kansas 66101, (913)551-7652, gabbert.harry@epa.gov.

III.I.2 Corrective Action Completion Activities

The Permittee shall complete the following activities within 180 days after the effective date of this permit modification.

a. The Permittee shall plug and abandon all monitor wells, air sparge wells and AS/SVE wells in accordance with Kansas regulations K.A.R. 28-30-2 through K.A.R. 28-30-4, K.A.R. 28-30-7, and Class V Air Sparging Permit request approved by Kansas Department of Health and Environment dated June 28, 2004.

b. The Permittee shall submit a plan for the decontamination, decommission, dismantling and removal of the above ground treatment system and piping. Upon approval by EPA, this plan shall be implemented and documented in appropriate report form for submittal to EPA.

c. The Permittee shall make application to KDHE to terminate the underground injection permit for sparge air approved on June 28, 2004.

III.I.3 Certification of Corrective Action Completion

a. The Permittee shall submit three copies of a Certification of Completion report in accordance with Section II.B.4 of the permit within 60 days of the completion of the activities listed in Section II.I.2. The Certification of Completion report must contain sufficient information to document completion of Corrective Action.

b. The Certification of Completion Report will be reviewed in accordance with the procedures set forth in Permit Condition II.L.

c. Upon approval of the Certification of Completion by the Director, all corrective action activities and groundwater monitoring under Part II of the Permit shall be complete.

Done this 5th day of September, 2008.
Becky Weber
Director
Air and Waste Management Division

******** end of draft permit modifications *******

Appendix B: Daily Field Reports

URS Corporation
5550 Blazer Parkway Suite 175
Dublin, OH 43017
Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/4/2009

DAY: S | **M** | T | W | T | F | S

REPORT No. 1
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moder	High		
HUMIDITY	Dry	Moder	Humid		
WIND DIR.	NE / N	NW / S	SE / E	SW / W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	10	Jerry Bignall
	Laborer	10	Jr.

VISITORS

Name	Time (From - To)	Representing	Remarks
Freddy	820 - 950	AB Electric	Denergizing system

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass -

Site operations included filling wells upto 3 feet below ground surface (bgs) with bentonite chips, pulling well protective casings and drilling pvc well casing out to 3 feet bgs. Monitoring wells that were completed are: MW-6, MW-3, MW-14, TW-1, TW-2, TW-3, TW-4, and TW-5. MW-4A, MW-4B, MW-2A, MW-2B, MW-9A, MW-9B, and MW-1 were all filled with bentonite chips to 3 feet bgs, but were not pulled. These wells will be abandoned tomorrow.

Well abandonement procedures are as follows: Wells are gauged for depth to water and depth to bottom, wells are then filled with bentonite chips to 3 feet bgs, well protective casings are then pulled and pvc pipe is drilled out to 3 feet bgs. After well is abandoned the ground surface is filled with topsoil and backfill from 3 feet bgs to surface.

[ ] X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

URS Corporation
5550 Blazer oParkway Suite 175
Dublin, OH 43017
Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/5/2009

DAY: S | M | **T** | W | T | F | S

REPORT No. 2
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moder	High		
HUMIDITY	Dry	Moder	Humid		
WIND DIR.	NE / N	NW / S	SE / E	SW / W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	10	Jerry Bignall
	Laborer	10	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks
Kristan Sansone	7 am - 2:30 pm	URS	

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Working
Skid Steer	Working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

Site operations included filling wells upto 3 feet below ground surface (bgs) with bentonite chips, pulling well protective casings and drilling pvc well casing out to 3 feet bgs. Monitoring wells that were completed are: MW-10, MW-11, MW-12A, MW-12B, MW-13, MW-2A, MW-2B, MW-4A, MW-4B, MW-5, MW-8A, MW-8B, and TW-6.

Well abandonement procedures are as follows: Wells are gauged for depth to water and depth to bottom, wells are then filled with bentonite chips to 3 feet bgs, well protective casings are then pulled and pvc pipe is drilled out to 3 feet bgs. After well is abandoned the ground surface is filled with topsoil and backfill from 3 feet bgs to surface.

[ ] X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

URS Corporation
5550 Blazer oParkway Suite 175
Dublin, OH 43017
Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/6/2009

DAY: S | M | T | **W** | T | F | S

REPORT No. 3
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moder	High		
HUMIDITY	Dry	Moder	Humid		
WIND DIR.	NE / N	NW / S	SE / E	SW / W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	10	Jerry Bignall
	Laborer	10	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks
Freddy	10:30 - 11:00	AB Electric	Took out meter

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Working
Skid Steer	Working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

Site operations included filling wells upto 3 feet below ground surface (bgs) with bentonite chips, pulling well protective casings and drilling pvc well casing out to 3 feet bgs. Monitoring wells that were completed are: MW-1, MW-9A, MW-9B, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106, MW-107, MW-108, MW-109, MW-110, MW-111, and MW-120.

Well abandonement procedures for monitoring wells are as follows: Wells are gauged for depth to water and depth to bottom, wells are then filled with bentonite chips to 3 feet bgs, well protective casings are then pulled and pvc pipe is drilled out to 3 feet bgs. After well is abandoned the ground surface is filled with topsoil and backfill from 3 feet bgs to surface.
Air sparge wells were abandoned by the following procedures: Piping and tubing were dismantled from well, well was gauged for both water level and total depth, wells were filled with bentonite chips to 3 feet bgs, and pvc was drilled down to 3 feet bgs. If wells were in vaults the vault was removed and hole was backfilled with either topsoil and seed or gravel pending on the surrounding surface conditions.

[ ] X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

URS Corporation
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Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/7/2009

DAY: S | M | T | W | **T** | F | S

REPORT No. 4
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moder	High		
HUMIDITY	Dry	Moder	Humid		
WIND DIR.	NE / N	NW / S	SE / E	SW / W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	10	Jerry Bignall
	Laborer	10	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Idle
Skid Steer	Working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

Site operations included filling wells upto 3 feet below ground surface (bgs) with bentonite chips, pulling well protective casings and drilling pvc well casing out to 3 feet bgs. Monitoring wells that were completed are: MW-7A, TW-3, and TW-11. The pvc piping running from the shed to all the sve/air sparge wells was removed along with the air lines. Started demolition of shed.

Well abandonement procedures for monitoring wells are as follows: Wells are gauged for depth to water and depth to bottom, wells are then filled with bentonite chips to 3 feet bgs, well protective casings are then pulled and pvc pipe is drilled out to 3 feet bgs. After well is abandoned the ground surface is filled with topsoil and backfill from 3 feet bgs to surface.

[ ] X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

URS Corporation
5550 Blazer oParkway Suite 175
Dublin, OH 43017
Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/8/2009

DAY: S | M | T | W | T | **F** | S

REPORT No. 5
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	Partly Cloudy	Overcast	**Rain**	Snow
TEMP	To 32	32-50	**50-70**	70-85	85 and up
WIND	**Light**	Moder	High		
HUMIDITY	Dry	Moder	**Humid**		
WIND DIR.	NE / N	NW / S	SE / E	**SW / W**	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	1	Jerry Bignall
	Laborer	1	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Idle
Skid Steer	Idle

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

No field work was done today due to thunderstorm

X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

URS Corporation
5550 Blazer oParkway Suite 175
Dublin, OH 43017
Telephone: (614)-726-3500
Fax: (614)-726-3599

DAILY REPORT

DATE: 5/11/2009

DAY: S | **M** | T | W | T | F | S

REPORT No. 6
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	**Partly Cloudy**	Overcast	Rain	Snow
TEMP	To 32	32-50	**50-70**	**70-85**	85 and up
WIND	**Light**	Moder	High		
HUMIDITY	Dry	**Moder**	Humid		
WIND DIR.	NE / N	NW / S	SE / E	**SW / W**	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	10	Jerry Bignall
	Laborer	10	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Idle
Skid Steer	working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 5:00

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

Field work consisted of abandoning MW-7B, decommissioning of system, and decontamination of equipment. Today the control panel, air blower, knockout tank, and air compressor were all removed and properly deconned if necessary.

X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

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Telephone: (614)-726-3500
Fax: (614)-726-3599

PROJECT: Kansas City DSO
CONTRACTOR: PSC
URS JOB No. 37680149
URS PROJECT MANAGER: Kristan Sansone

DAILY REPORT

DATE: 5/12/2009

DAY: S | M | **T** | W | T | F | S

REPORT No. 7
PAGE No. 1

PREPARED BY: Brian Williamson TITLE: Field Supervisor

WEATHER	Bright Sun	**Partly Cloudy**	Overcast	Rain	Snow
TEMP	To 32	32-50	**50-70**	70-85	85 and up
WIND	Light	**Moder**	High		
HUMIDITY	Dry	**Moder**	Humid		
WIND DIR.	NE / N	NW / S	SE / E	**SW / W**	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
PSC			
	Laborer	8	Jerry Bignall
	Laborer	8	Jerry Hancock

VISITORS

Name	Time (From - To)	Representing	Remarks

EQUIPMENT AT THE SITE: I = idle W = working

Drill Rig	Idle
Skid Steer	working

HEALTH AND SAFETY Compass workers in Level D PPE this date

Name	Time (From-To)	Task/Level of PPE
PSC	All Day	Level D PPE

CONSTRUCTION ACTIVITIES:

Site Representatives: Brian Williamson (URS) - 7:00 - 2:30

Photo Log Attached

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Compass

Today's site activities consisted of removing the storage shed, regrading the area, and general housekeeping.

[ ] X - designates report is continued on add'l pages

URS SITE REPRESENTATIVE: B. Williamson PROJECT MANAGER: Kristan Sansone

Appendix C: Site Field Notes

CONTENTS

PAGE	REFERENCE	DATE

MON. MAY 4, 2009

0650 B. WILLIAMSON (URS) IS ON-SITE AND PREP FOR FIELD WORK

0700 PSC ARRIVES AND WILL MEET WITH SITE PERSONNEL FOR SITE SPECIFIC TRAINING

0730 AFTER TRAINING WITH KENNY (ASHLAND) WILL START TO SET-UP.

PSC: JERRY BIGNALL, JR.

WEATHER: OVERCAST 60'S

800 GAUGED ~~TEMP~~ TW-1 WL= 41.58' BTOC

TD= 45.56' BTOC

802 ~~GA~~ GAUGED MW-6 WL= 41.50' BTOC

TD= 49.55' BTOC

807 GAUGED ~~TEMP~~ TW-2 WL= 40.05' BTOC

TD= 44.63' BTOC

820 A.B. ELECTRIC SHOWS UP TO DEENERGIZE SYSTEM

825 FILL MW-6 WITH BENTONITE CHIP TO 3' BGS.

835 CHIP TEMP-1 TO 3' BGS

845 GAUGED TW-3 WL= 40.43' BTOC TD= 44.31' BTOC

850 PSC WILL TRY TO UNSCREW RISER PIPE

TOOK PIC 1 - JR. (PSC) POURING CHIPS IN TW-1

TOOK PIC-2 LINES INSIDE OF ELECTRIC BOX CUT

5/4/09

855 CHIPPED TW-~~B~~2 (BW) TO 3' BGS

905 CHIPPED TW-3 TO 3' BGS

GAUGED MW-9B WL-40.17' BTOC TD: 71.40' BTOC

GAUGED MW-9A WL: 40.84' BTOC TD: 46.27' BTOC

930 PULLED MW-6 WELL PROTECTOR AND CASING FROM 3' BGS

945 CHIPPED BOTH MW-9B AND MW-9A TO 3' BGS

948 GAUGED TW-4 TD-44.76' WL 41.20' BTOC

950 FREDDY WITH AB ELECTRIC INFORMED ME HE COULDN'T DO ANYTHING MORE UNTIL BPU (KANSAS ELECTRICITY SERVICE) CAN MEET WITH HIM HERE ABOUT THE METER. ONCE THEY SCHEDULE A TIME ~~W~~ (BW) THEY WILL BE OUT HERE TO FINISH UP.

1045 PULLED CASING AND PVC 3' BGS AT TW-2

1105 PULLED CASING AND PVC 3' BGS AT TW-1

1130 PULLED CASING AND PVC 3' BGS AT TW-3

1140 WENT TO LUNCH

1215 RETURN FROM LUNCH

1305 PULLED TW-4 WELL PROTECTOR OFF AND DRILLED OUT PVC TO 3' BGS.

1310 GAUGED TW-5 WL: 42.18' TD: 45.08' BTOC

1320 FILLED WELL (TW-5) WITH BENTONITE

(BW)

5/4/09

CHIPS TO 3' bgs.

1340 PULLED WELL PROTECTOR FROM TW-5 AND DRILLED OUT PVC TO 3' BGS

1420 PULLED OUT STUCK BAILER FROM MW-3 USING DRILL RIG AND GAUGED WL: 40.63 TD: 49.70' BTOC

~~1455~~ (BW) 1445 PULLED WELL PROTECTOR FROM MW-3 AND DRILLED OUT PVC TO 3' BGS.

1455 ~~1455~~ (BW) GAUGED MW-14 WL: 42.52 BTOC TD: 45.18 BTOC

GAUGED MW-4A WL: 40.12 BTOC TD: 50.00'

GAUGED MW-4B WL: 38.98' TD 69.50'

1540 PULLED WELL PROTECTOR FROM MW-4, FILLED WELL WITH BENTONITE CHIPS TO 3' BGS (BELOW GROUND SURFACE), AND DRILLED OUT PVC TO 3' BGS.

1550 GAUGED MW-1 WL: 39.13' TD: 49.98' BTOC (BELOW TOP OF CASING)

1600 GAUGED MW-2B WL: 39.17' TD: 71.80'

1605 GAUGED MW-2A WL: 39.72 TD: 50.17'

1620 MW-2A AND MW-2B WERE FILLED WITH BENTONITE CHIPS TO 3' bgs

1630 MW-1 WAS FILLED WITH BENTONITE CHIPS TO 3' BGS.

(BW)

(4)

5/4/2009

1640 MW-4A AND MW-4B WERE BOTH FILLED WITH BENTONITE CHIPS TO 3' BGS.

1645 OFFSITE FOR THE DAY.

BW

(8)

TUES. MAY 5, 2009

0645 B. WILLIAMSON ON-SITE TO PREP FOR THE DAY.
WEATHER: PARTLY CLOUDY, CALM 50's-70's
PPE: MODIFIED LEVEL D

0650 CALIBERATE PID (MINI RAE 2000)
FRESH AIR: 0.0 SPAN: 102

0705 JERRY BIGNALL (PSC) AND JERRY HANCUCK (PSC) ARRIVE ON-SITE AND GO OVER HEALTH AND SAFETY.

730 GAUGED MW-8B WL= 39.13' TD= 62.06'

732 GAUGED MW-8A WL= 38.81' TD= 48.27'

740 GAUGED TW-6 WL= 40.47' TD= 45.50'
KRISTAN SANSONE ARRIVES ON-SITE

750 MW-8A IS FILLED WITH BENTONITE CHIPS TO 3' BGS

755 MW-8B IS FILLED WITH BENTONITE CHIPS TO 3' BGS.

805 TW-6 IS FILLED WITH BENTONITE CHIPS TO 3' BGS.

850 OVER AT THE LEVEE WELLS AND LARRY BRENNAN AND ERNIE WITH KAW VALLEY DRAINAGE SHOWS UP TO VISIT AND INFORMED THEM HOW WE ARE ABANDONING WELLS

BW

5/5/09

905 LARRY GIVES US THE OK AND LEAVES.

910 DRILLERS ARRIVE WITH RIG. AT MW-10

~~930~~ (BW) 930 GAUGED MW-10 WL = 29.50' BGS TD = 40.77' BGS

940 PLUGGED WELL TO 3' BGS WITH BENTONITE CHIPS AND PULLED PROTECTIVE CASING FROM MW-10 AND PULLED PVC TO 3' BGS

945 GAUGED MW-11 WL: 35.17' TD: 40.10'

950 FILL WELL WITH BENTONITE CHIPS TO 3' BGS.

1000 GAUGED MW-13 WL: 36.79 TD: ~~45.25~~ (BW) 45.25

1015 GAUGED MW-12A WL: 37.30 TD: 47.85

1017 GAUGED MW-12B WL: 37.25' TD 49.25'

1025 FILLED MW-12A AND MW-12B WITH BENTONITE CHIPS TO 3' BGS

1040 FILLED MW-13 WITH BENTONITE CHIPS TO 3' BGS.

1100 PULLED ~~8~~ (BW) PROTECTIVE CASING FROM MW-12A.

1110 PULLED PROTECTIVE CASING FROM 12-B

1120 PULLED PVC AT MW-12A AND MW-12B AT 3' BGS

1130 WENT TO LUNCH

BW

5/5/09

1210 BACK FROM LUNCH AND PULLED PROTECTIVE CASING AND PULLED OUT PVC AT 3' BGS AT MW-13

~~1220~~ (BW) 1225 PULLED PROTECTIVE CASING AND PVC AT 3' BGS AT MW-11.

1350 PULLED WELL PROTECTORS FROM MW-8A AND MW-8B. AND PULLED PVC FROM 3' BGS AND UP FROM MW-8A AND MW-8B.

1415 KRISTAN SANSONE LEFT SITE FOR AIRPORT

~~1415~~ (BW) 1420 GAUGED MW-5 WL: 39.79 TD: 49.90

~~P~~ (BW) FILLED MW-5 WITH BENTONITE CHIPS TO 3' BGS.

1500 PULLED MW-5 WELL PROTECTOR AND DRILLED OUT PVC TO 3' BGS

1520 PULLED MW-4A WELL PROTECTOR AND DRILLED OUT PVC TO 3' BGS.

1530 PULLED OUT MW-4B WELL PROTECTOR AND DRILLED OUT PVC TO 3' BGS

(BW) ~~1540~~ 1600 PULLED OUT MW-2B WELL PROTECTOR AND DRILLED OUT PVC TO 3' BGS

1605 PULLED OUT MW-2A WELL PROTECTOR AND DRILLED OUT PVC TO 3' BGS

NOTE ALL WELLS WERE FILLED FROM 0'-3' BGS WITH TOPSOIL AND SEEDED OVER

1640 OFFSITE FOR THE DAY

BW

WED. 5-6-09

0650 ARRIVE ON-SITE
URS: B. WILLIAMSON
PSC: JERRY BIGNALL AND JERRY HANCOCK

700 GO OVER HEALTH & SAFETY

0715 REMOVE PROTECTIVE CASING AND PVC FROM 3' BGS TO SURFACE AT MW-1

0730 PULL PROTECTIVE CASING AND PVC FROM 3' BGS TO GROUND SURFACE AT MW-9B

0740 PULL PROTECTIVE CASING FROM MW-9A

0745 DRILL OUT PVC TO 3' BGS

0800 FILL ~~MW-108~~ MW-120 (BW) WITH BENTONITE CHIPS TO 3' BGS WL= 40.11 TD= 69.0' (BW)

0820 GAUGE MW-109 WL= 41.25' TD= 69.90'

0830 GAUGE MW-110 WL= 41.06' TD= 70.75'

0845 PULL TOP 5' PVC FROM MW-109 AND FILL WITH BENTONITE CHIPS TO 3' BGS

0900 FILL MW-110 WITH BENTONITE CHIPS TO 3' BGS AND PULL TOP 5' PVC

920 GAUGE ~~AGTER~~ (BW) MW-107 WL= 38.6 TD= 57.77

925 GAUGE MW-105 WL= 38.56 TD= 58.42

945 FILL MW-107 WITH BENTONITE CHIPS TO

(BW)

5/6/09

3' BGS. AND PULL PVC ~~TO~~ (BW) FROM 3' BGS.

1020 FILLED MW-105 WITH BENTONITE CHIPS TO 3' BGS AND PULL INNER PVC PIPING.

1030 PULLED TOP 10' OF PVC FROM MW-105

1050 PULLED PACKER FROM MW-108 AND GAUGED ~~WL~~ (BW) WL= 38.99 TD= 71.65'

~~1135~~ (BW) 1110 FILLED MW-108 WITH BENTONITE CHIPS TO 3' BGS

1135 GAUGED MW-106 WL= 36.40' TD= 57.90'

1140 FILLED WITH BENTONITE CHIPS TO 3' BGS. AT MW-106

1145 GAUGED MW-111 WL= 40.90 TD.= 69.75'

1200 TOOK LUNCH

1230 BACK FROM LUNCH AND PULLING VAULTS FROM MW-105 AND MW-107

1330 FILL MW-111 WITH BENTONITE CHIPS TO 3' BGS AND PULL PVC FROM 5' BGS

1430 PULL VAULT FROM MW-106.

1500 GAUGED MW-104 WL= 38.81 TD= 58.40

1510 GAUGED MW-103 WL= 37.10 TD= 56.95

1515 ~~1505~~ (BW) ~~AT~~ (BW) GAUGED MW-102 ~~WL= 36.08 TD= 58.80~~ (BW) WL= 36.63 TD= 56.95

1540 FILLED CHIPS IN MW-104, MW-103, AND MW-102 TO 3' BGS.

(BW)

5/6/09

1600 PULLED PACKER FROM MW-101 AND GAUGED WL: ~~38.80~~ 35.98' BW TD = 58.80'

1615 GAUGED MW-7B WL: 39.75 TD: 98.50

1620 GAUGED MW-7A WL: 39.41 TD: 50.09'

1630 MW-104, MW-103, MW-102, AND MW-101 WERE ABANDONED BY FILLING WITH BENTONITE CHIPS TO 3' BGS AND DRILLING PVC DOWN TO 3' BGS

*** CALLED K. SANSONE AT 1015 AND TALKED TO HER ABOUT AIR SPARGE WELL THAT WAS NOT ON FIGURE AND DECIDED TO IDENTIFY IT AS MW-120

*** FREDDY WITH A.B. ELECTRIC WAS ON-SITE FROM 1030 - 1100 AND WAS WITH A REPRESENTATIVE WITH BPU THAT SAID THE METER DID NOT BELONG TO BPU BUT LOOKED LIKE AN IN-HOUSE METER SO FREDDY ~~WITH~~ BW TOOK IT OUT AND SECURED THE ELECTRICITY.

1645 OFF-SITE

THURSDAY MAY 7, 2009

0700 AT GATE BUT NO ONE IS OPENING GATE

815 GATE OPENS AND WILL BEGIN WORK AFTER HEALTH & SAFETY MEETING
URS: B. WILLIAMSON
PSC: J. BIGNALL, J. HANCOCK

840 FILL MW-7A WITH BENTONITE CHIPS TO 3' BGS AND PULL PROTECTIVE CASING AND DRILL OUT PVC TO 3' BGS

845 TALKED TO K. SANSONE AND WILL ABANDONED FLUSHMOUNT MONITORING WELL (TW-3).

935 GAUGED TW-3 WL: 38.35' TD: 41.86

950 GAUGED TW-11 WL: 39.41 TD: 44.80

1010 FILLED TW-3 WITH BENTONITE CHIPS TO 3' BGS AND PULLED WELL PROTECTIVE VAULT THEN DRILLED OUT PVC TO 3' BGS.

1040 FILLED TW-11 WITH BENTONITE CHIPS TO 3' BGS AND PULLED PROTECTIVE CASING THEN DRILLED OUT PVC TO 3' BGS

1100 PULLING VAULTS FROM MW-101, MW-102, MW-103, AND MW-104 AND BACK FILL TO GRA

(15)

5/7/09

1115 START DEMOLITION OF PIPING OF SYSTEM

1200 TOOK LUNCH

1235 BACK FROM LUNCH

1300 J. HANCOCK WILL CONTINUE TO BACKFILL WERE VAULTS WERE TAKEN OUT

1305 J. BIGNALL ~~CONTS~~ CONTINUED DEMOLITION OF SYSTEM

1530 DECIDED THAT THE SHED WILL GO AS GENERAL WASTE SINCE THERE IS NO EVIDENCE OF CONTAMINATION

1540 TALKED WITH M. TITTERINGTON ABOUT ELECTRICAL CONDUIT THAT RUNS FROM AN "EMERGENCY SHUT OFF" SWITCH AT THE SHED OF THE LOADING RACK TO ACCROSS THE STREET FROM THE SVE SHED INTO THE GROUND. HE THINKS IT TIES INTO THE "EMERGENCY SHUT OFF" SWITCH ON THE SIDE OF THE SHED BUT WILL LOOK INTO FURTHER DETAIL TOMORROW.

1615 ALL PVC PIPING AND AIR HOSES WERE TAKEN OUT AND OFF SITE FOR THE DAY

BW

FRIDAY MAY 8, 2009

700 ARRIVE ON-SITE TODAY AND THE WEATHER IS CURRENTLY RAINING AND THUNDERSTORM

URS: B. WILLIAMSON

PSC: J. BIGNALL, J. HANCOCK

730 DECIDED TO CALL IT A DAY BECAUSE OF THUNDER AND LIGHTNING WILL OCCUR MOST OF MORNING TILL AFTER LUNCH TIME.

800 OFF-SITE FOR THE DAY

BW

MONDAY MAY 11, 2009

0700 ARRIVE ON-SITE AND PREP FOR THE DAY

URS: B. WILLIAMSON

PSC: J. BIGNALL AND J. HANCOCK

WEATHER: 50-70'S PARTLY CLOUDY

0720 J. BIGNALL WORKING ON MW-7B WHILE J. HANCOCK SETS UP DECON PAD TO DECON EQUIPMENT

1000 MW-7B IS FILLED WITH BENTONITE CHIPS TO 3' BGS AND PROTECTIVE CASING AND PVC ARE REMOVED FROM 3' BGS TO SURFACE

1020 J. ~~BIGN~~ BW BIGNALL STARTED TAKEN APART ELECTRIC CONDUIT AFTER FREDDY WITH AB ELECTRIC TESTED EMERGENCY SHUT SWITCH AND WIRES.

1100 J. HANCOCK HAS FINISHED DECON ON SYSTEM.

1140 WENT TO LUNCH

1225 BACK FROM LUNCH AND CONTINUED WITH DECOMMISSIONING OF SYSTEM

1430 PULLED ALL WIRES FROM UNDER GROUND

1500 REMOVED ELECTRICAL BOX FROM GROUND

1545 REMOVED AIR COMPRESSOR.

1600 PSC LOADED ALL EQUIPMENT INCLUDING

BW

5/11/09

AIR COMPRESSOR, CONTROL PANEL, AND BLOWER, AND KNOCK OUT TANK INTO TRAILER AFTER DECON.

1620 OFF-SITE FOR THE DAY

BW

TUES MAY 12, 2009

0635 ARRIVE ON-SITE AND PREP FOR THE DAY

0705 PSC ARRIVES ON SITE

URS: B. WILLIAMSON

PSC: J. HANCOCK AND J. BIGNALL

WEATHER: 50S-60'S CHANCE OF RAIN

710 GO OVER HEALTH & SAFETY

740 TEARING DOWN SHED

1000 SHED IS DISPOSED OF IN GENERAL WASTE ROLL-OFF AND RE-GRADING AREA

1130 WENT TO LUNCH

1220 BACK FROM LUNCH

1240 AREA IS SEEDED AND HAY IS PUT ON TOP TO HOLD SEED DOWN

1430 AFTER PICKING UP HEADED OFF-SITE

FRIDAY MAY 15, 2009

1100 B. WILLIAMSON ARRIVED ON-SITE TO COLLECT COMPOSITE SAMPLE OF WATER GENERATED FROM DECON ACTIVITIES

1130 COLLECTED SAMPLE DECON-1 FOR VOCS. TCL-SUBLIST VIA ~~8260~~ 8260B.

1140 NOTICED ROLL-OFF THAT CONTAINS PVC IS GONE. MADE APPROPRIATE PHONE CALLS AND NOTIFIED KRISTAN SAMSONE

1200 OFFSITE

BW

Appendix D: Photographic Log

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City	37680149

Photo No.	Date:
1	5/4/2009

Direction Photo Taken:

East

Description:

Subcontractor filling TW-2 with Bentonite chips.

Photo No.	Date:
2	5/4/2009

Direction Photo Taken:

South

Description:

Photo showing wires disconnected between the system and the meter box.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
3	5/4/2009

Direction Photo Taken:

Facing South

Description:

Photo showing subcontractor filling MW-9A with bentonite chips.

Photo No.	Date:
4	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of bag of bentonite chips that are used to fill the wells.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
5	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of MW-6 after pvc piping has been drilled out.

Photo No.	Date:
6	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of TW-12 after well has been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
7	5/4/2009

Direction Photo Taken:

North-Northwest

Description:

Photo of TW-6 after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
8	5/4/2009

Direction Photo Taken:

Northwest

Description:

Photo of MW-3 after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
9	5/4/2009

Direction Photo Taken:

Southeast

Description:

Photo of MW-14 after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
10	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of TW-7 after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
11	5/4/2009

Direction Photo Taken:

East

Description:

Photo of TW-4 after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
12	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of MW-6 after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
13	5/4/2009

Direction Photo Taken:

N/A

Description:

Photo of TW-2 after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
14	5/5/2009

Direction Photo Taken:

N/A

Description:

Photo of MW-12A and MW-12B after wells have been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City	37680149

Photo No.	Date:
15	5/5/2009

Direction Photo Taken:

South

Description:

Photo of MW-13 after well has been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
16	5/5/2009

Direction Photo Taken:

Facing South

Description:

Photo of MW-11 after well has been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
17	5/5/2009

Direction Photo Taken:

N/A

Description:

Photo of MW-10 after well has been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
18	5/5/2009

Direction Photo Taken:

East

Description:

Photo of MW-8B after well has been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
19	5/5/2009

Direction Photo Taken:

Northeast

Description:

Photo of MW-8A after well has been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
20	5/5/2009

Direction Photo Taken:

East

Description:

Photo of TW-9 after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
21	5/5/2009

Direction Photo Taken:

East

Description:

Photo of MW-5 after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
22	5/5/2009

Direction Photo Taken:

Northwest

Description:

Photo of MW-4A after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
23	5/5/2009

Direction Photo Taken:

Northeast

Description:

Photo of MW-4B after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
24	5/5/2009

Direction Photo Taken:

Description:

Photo of MW-2B after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
25	5/5/2009

Direction Photo Taken:

North-northwest

Description:

Photo of MW-2A after well has been abandoned and ground returned to surrounding surface conditions.

Photo No.	Date:
26	5/7/2009

Direction Photo Taken:

North

Description:

Photo of TW-11 after wells have been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City	37680149

Photo No.	Date:
27	5/7/2009

Direction Photo Taken:

West-northwest

Description:

Photo of MW-107 after well has been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
28	5/7/2009

Direction Photo Taken:

South

Description:

Photo of MW-14, MW-109, and MW-110 after wells have been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
29	5/7/2009

Direction Photo Taken:

N/A

Description:

Photo of MW-112 after well has been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
30	5/7/2009

Direction Photo Taken:

West

Description:

Photo of MW-1 after well has been abandoned and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
31	5/7/2009

Direction Photo Taken:

Northwest

Description:

Photo of MW-101, MW-102, and MW-103 after wells have been abandoned and returned to surrounding surface conditions.

Photo No.	Date:
32	5/7/2009

Direction Photo Taken:

Northwest

Description:

Photo of TW-3 after well has been abandoned and ground returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
33	5/7/2009

Direction Photo Taken:

Southwest

Description:

Photo of MW-111 after well has been abandoned and ground returned to surrounding surface conditions.

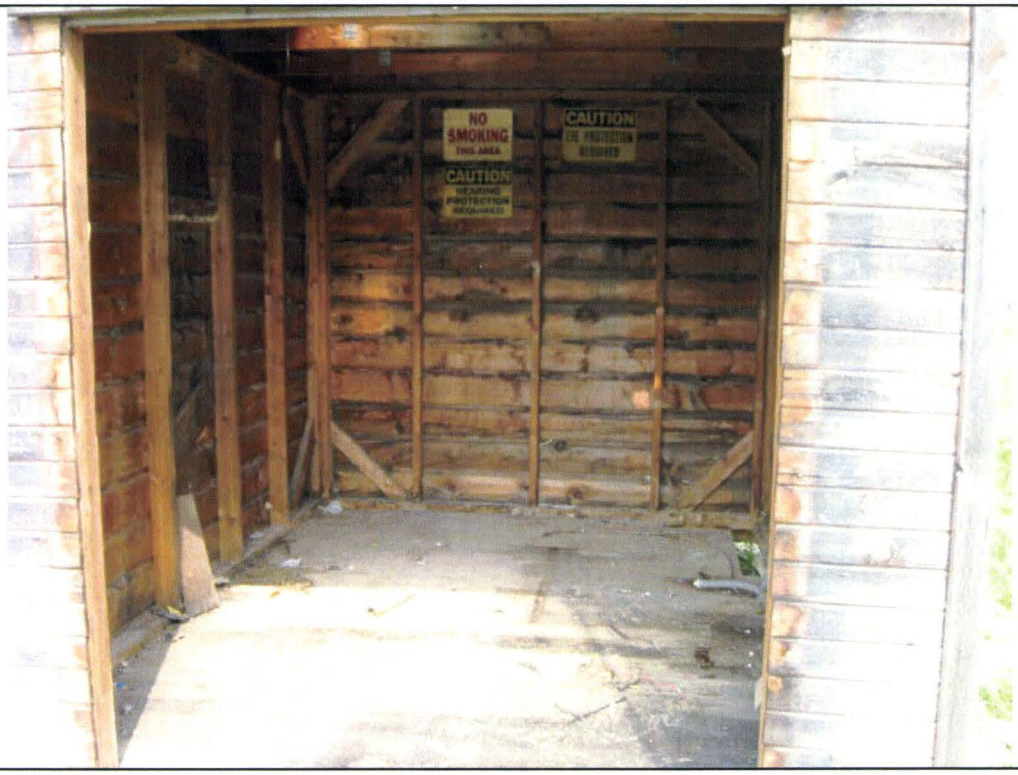
Photo No.	Date:
34	5/11/2009

Direction Photo Taken:

East

Description:

Photo of storage shed after all equipment has been removed.



URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City	37680149

Photo No.	Date:
35	5/11/2009

Direction Photo Taken:

North

Description:

Photo of area where control box was stationed and ground was returned to surrounding surface conditions.

Photo No.	Date:
36	511/2009

Direction Photo Taken:

West

Description:

Photo of decon pad used to decon equipment.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

Photo No.	Date:
37	5/11/2009

Direction Photo Taken:

North

Description:

Photo of area where air compressor was stationed.

Photo No.	Date:
38	5/12/2009

Direction Photo Taken:

North

Description:

Photo of skid steer grading area where shed was stationed.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City	37680149

Photo No.	Date:
39	5/12/2009

Direction Photo Taken:

North

Description:

Area where shed was stationed and returned to surrounding surface conditions.

Photo No.	Date:
40	512/2009

Direction Photo Taken:

West

Description:

Area where shed was stationed and returned to surrounding surface conditions.

URS

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Ashland Chemical	Kansas City, KS	37680149

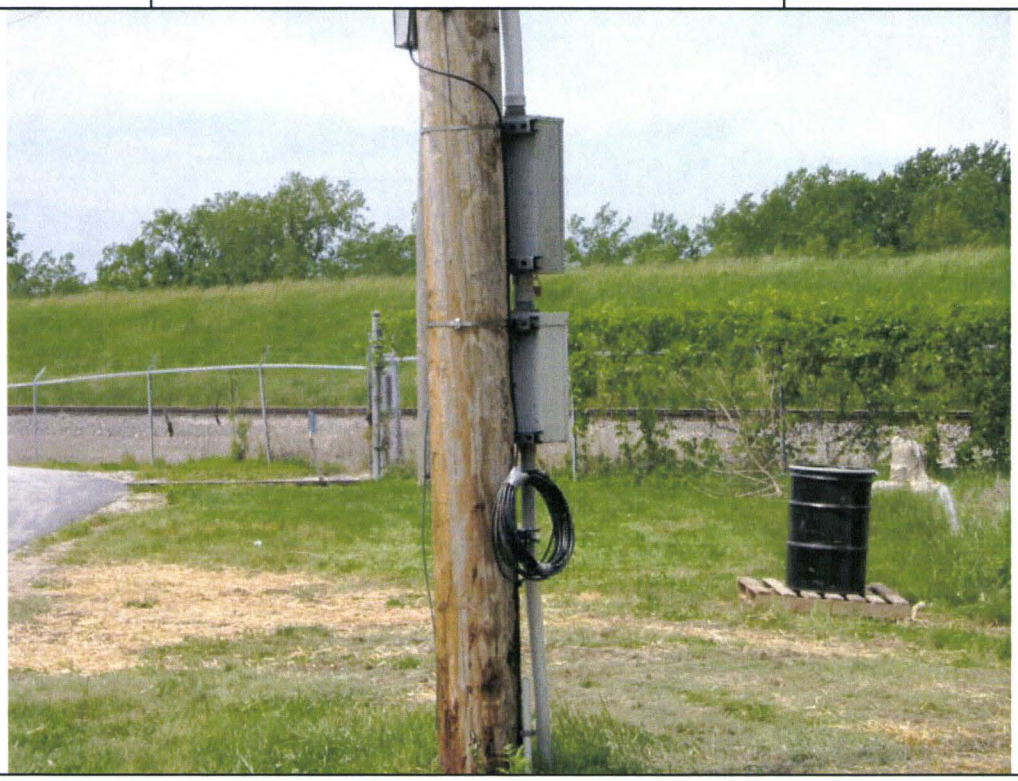
Photo No.	Date:
41	5/12/2009

Direction Photo Taken:

West-northwest

Description:

Photo of power pole next to the remediation system.



Appendix E: Kaw Valley Letter

June 19, 2009

Mr. Larry Brennan
Kaw Valley Drainage District
719 Osage Ave
Kansas City, Kansas 66105

RE: Well Plugging/Abandonment Activities May 2009

Dear Mr. Brennan:

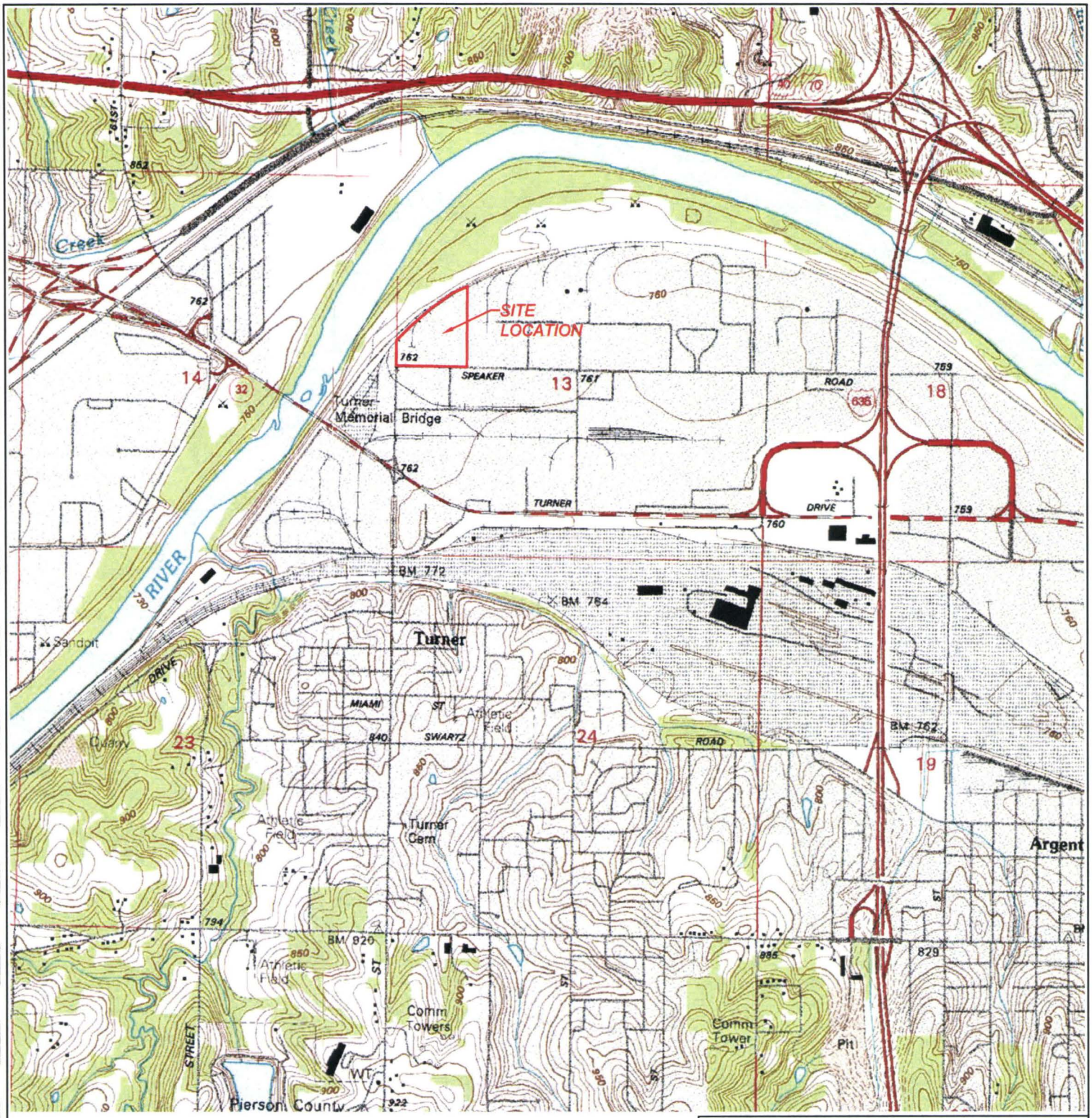
During the week of May 4, 2009, Ashland completed well abandonment and remediation system closure activities at the Ashland Inc. facility located at 5420 Speaker Road in Kansas City, Kansas (see **Figure 1**). The work was conducted according to the Well Abandonment/Remediation System Closure Work Plan dated January 21, 2009 and approved by the United States Environmental Protection Agency.

On May 5, 2009, five groundwater monitoring wells (MW-10, MW-11, MW-12A, MW-12B, and MW-13) located on the river-side of the levee located in the Argentine District (see **Figure 2**) were plugged and abandoned. The monitoring wells were abandoned in accordance with Kansas Department of Health and Environment (KDHE) guidelines. A water well plugging record (Form WWC-5P) was submitted to the KDHE for each well abandoned during the system closure activities. The WWC-5P forms associated with wells abandoned on the Kaw Valley Drainage District property are included as **Attachment A**.

If you have any questions or concerns please contact Kristan Sansone at (678) 808-8971.

Very Truly Yours,
URS Corporation

Kristan Sansone
Environmental Scientist



N
W E
S

SCALE: 1" - 2,000'

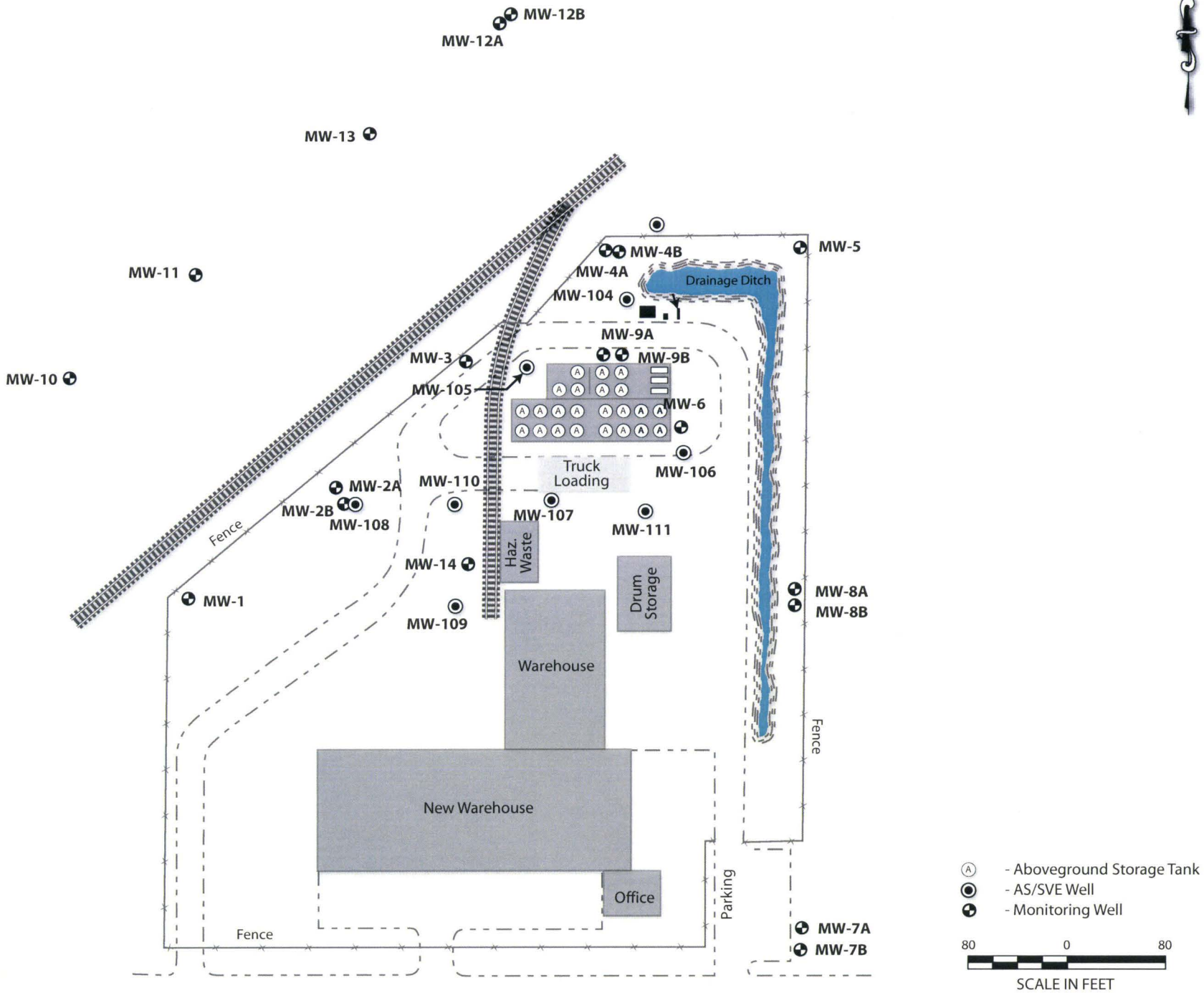
M:\Kansas City, KS\Fig1_Site-Location.dwg

URS

FIGURE 1
SITE LOCATION MAP

ASHLAND KANSAS CITY DSO
KANSAS CITY, KANSAS

DRAWN BY: MDO	DATE DRAWN: 11/02/2007
REVIEWED BY: KS	DATE REVIEWED:
SCALE: 1" = 200'	PLOT DATE:
PROJECT NO.: 37680077	
REVISED BY:	REV. DATE:
REVISED BY:	REV. DATE:



CLIENT: Ashland

PROJECT: Kansas City, Kansas

DATE: July 2008

DESIGNED BY:

SCALE: As Shown

DRAWN BY: J. Anderson

FILE: H:\proj\Ashland\KansasCity\DSO\June2007\Figure 1 MW Loc.ai

CHECKED BY: K. Sansone

TITLE: Monitoring Well Locations

URS

PROJ. NO.: 37679730

TASK: 07800

FIGURE: 2

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-10

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐

Global Positioning Systems (GPS) information:
Latitude: 39.096371 (in decimal degrees)
Longitude: -94.705630 (in decimal degrees)
Elevation: 754.9
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 41 ft.

WELL'S STATIC WATER LEVE 29.5 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3'
Casing height above or (below) and surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 41 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	41'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6/1/2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Joe Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-11

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096629 (in decimal degrees)
Longitude: -94.705195 (in decimal degrees)
Elevation: 759.4
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 39 ft.

WELL'S STATIC WATER LEVE 33.88 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.59'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 39 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	39'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Shawn Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-12A

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.097187 (in decimal degrees)
Longitude: -94.704198 (in decimal degrees)
Elevation: 760.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ <3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ >15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44.5 ft.
WELL'S STATIC WATER LEVE 35.23 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.07'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-12B

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.097187 (in decimal degrees)
Longitude: -94.704198 (in decimal degrees)
Elevation: 760.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 68 ft.

WELL'S STATIC WATER LEVE 35.23 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.02'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 68 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	68'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-13

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096887 (in decimal degrees)
Longitude: -94.704723 (in decimal degrees)
Elevation: 760.5
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44 ft.
WELL'S STATIC WATER LEVE 35.04 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or below land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

Appendix F: WWC-P5 Forms

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-1

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095830 (in decimal degrees)
Longitude: -94.705163 (in decimal degrees)
Elevation: 762.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 48.5 ft.

WELL'S STATIC WATER LEVE 37.51 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.62'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 48.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	48.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-2A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096055 (in decimal degrees)
Longitude: -94.704729 (in decimal degrees)
Elevation: 762.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 48.5 ft.

WELL'S STATIC WATER LEVE 37.93 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.79'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 48.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	48.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-2B

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096055 (in decimal degrees)
Longitude: -94.704729 (in decimal degrees)
Elevation: 762.9
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 72 ft.
WELL'S STATIC WATER LEVE 37.54 ft
WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.63'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 72 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	72'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-3

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096388 (in decimal degrees)
Longitude: -94.704391 (in decimal degrees)
Elevation: 763.4
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 47.5 ft.

WELL'S STATIC WATER LEVE 38.58 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.05'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 47.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	47.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-4A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096617 (in decimal degrees)
Longitude: -94.70401 (in decimal degrees)
Elevation: 763.0
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 48 ft.

WELL'S STATIC WATER LEVE 38.07 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.05'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 48 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	48'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-4B

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096617 (in decimal degrees)
Longitude: -94.70401 (in decimal degrees)
Elevation: 762.8
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 67.5 ft.

WELL'S STATIC WATER LEVE 36.89 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.09'
Casing height above or (below) and surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 67.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	67.5	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jay Bisnell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-5

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096625 (in decimal degrees)
Longitude: -94.70349 (in decimal degrees)
Elevation: 762.0
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 47.5 ft.

WELL'S STATIC WATER LEVE 37.27 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.52'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 47.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	47.5	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-6

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096246 (in decimal degrees)
Longitude: -94.703817 (in decimal degrees)
Elevation: 763.8
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 47 ft.

WELL'S STATIC WATER LEVE 39.14 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.42'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 47 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	47'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-7A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095101 (in decimal degrees)
Longitude: -94.703489 (in decimal degrees)
Elevation: 761.3
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 48 ft.

WELL'S STATIC WATER LEVE 36.57 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.84'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 48 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	48'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-7-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bisnall

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-7B

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095101 (in decimal degrees)
Longitude: -94.703489 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 99 ft.

WELL'S STATIC WATER LEVE 37.25 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.5'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 99 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	99'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-7-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-8A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095913 (in decimal degrees)
Longitude: -94.703506 (in decimal degrees)
Elevation: 762.0
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 48 ft.

WELL'S STATIC WATER LEVE 37.04 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.77'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 48 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	48'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-8B

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095913 (in decimal degrees)
Longitude: -94.703506 (in decimal degrees)
Elevation: 762.0
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 62 ft.

WELL'S STATIC WATER LEVE 37.43 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.7'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 62 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	62'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-9A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.0964 (in decimal degrees)
Longitude: -94.704198 (in decimal degrees)
Elevation: 763.8
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 45 ft.

WELL'S STATIC WATER LEVE 39.05 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.79'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 45 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	45'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-9B

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.0964 (in decimal degrees)
Longitude: -94.703983 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 70 ft.

WELL'S STATIC WATER LEVE 38.55 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.62'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 70 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	70'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jeremy Bizwell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-10

1 LOCATION OF WATER WELL: County: Johnson

Fraction: ¼ ¼ ¼ ¼ | Section Number: | Township Number: T S | Range Number: ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐

Global Positioning Systems (GPS) information:
Latitude: 39.096371 (in decimal degrees)
Longitude: -94.705630 (in decimal degrees)
Elevation: 754.9
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N / NW / NE / W / E / SW / SE / S

4 DEPTH OF WELL 41 ft.

WELL'S STATIC WATER LEVE 29.5 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 41 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	41'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6/1/2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) John Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-11

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096629 (in decimal degrees)
Longitude: -94.705195 (in decimal degrees)
Elevation: 759.4
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 39 ft.

WELL'S STATIC WATER LEVE 33.88 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.59'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 39 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	39'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-12A

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.097187 (in decimal degrees)
Longitude: -94.704198 (in decimal degrees)
Elevation: 760.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ <3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ >15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44.5 ft.

WELL'S STATIC WATER LEVE 35.23 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.07'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jason Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-12B

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.097187 (in decimal degrees)
Longitude: -94.704198 (in decimal degrees)
Elevation: 760.6
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 68 ft.

WELL'S STATIC WATER LEVE 35.23 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.02'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 68 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	68'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-13

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096887 (in decimal degrees)
Longitude: -94.704723 (in decimal degrees)
Elevation: 760.5
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44 ft.

WELL'S STATIC WATER LEVE 35.04 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-14

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095955 (in decimal degrees)
Longitude: -94.704375 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44 ft.

WELL'S STATIC WATER LEVE 41.34 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.18'
Casing height above or (below) and surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-101

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096621 (in decimal degrees)
Longitude: -94.70394 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model:)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N / NW / NE / W / E / SW / SE / S

4 DEPTH OF WELL 60.4 ft.

WELL'S STATIC WATER LEVE 36.98 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below)

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other

Grout Plug Intervals: From 3 ft. to 60.4 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below)

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	60.4'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jay Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-102

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096592 (in decimal degrees)
Longitude: -94.703951 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.3 ft.

WELL'S STATIC WATER LEVE 37.63 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.3 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.3'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-103

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096556 (in decimal degrees)
Longitude: -94.703956 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.8 ft.

WELL'S STATIC WATER LEVE 38.10 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.8 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.8'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-104

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096517 (in decimal degrees)
Longitude: -94.703951 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.3 ft.

WELL'S STATIC WATER LEVE 39.71 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.2
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.3 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.3'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-105

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096354 (in decimal degrees)
Longitude: -94.704208 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 60 ft.

WELL'S STATIC WATER LEVE 39.81 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 60 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	60'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-106

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096188 (in decimal degrees)
Longitude: -94.703790 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 58.7 ft.

WELL'S STATIC WATER LEVE 37.2 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2.2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 58.7 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	58.7'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-107

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096038 (in decimal degrees)
Longitude: -94.704219 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.2 ft.

WELL'S STATIC WATER LEVE 40.03 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 1.57'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.2 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.2'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-108

1 LOCATION OF WATER WELL: County: Johnson

Fraction: ¼ ¼ ¼ ¼ | Section Number: | Township Number: T S | Range Number: ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096054 (in decimal degrees)
Longitude: -94.704729 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N / NW / NE / W / E / SW / SE / S

4 DEPTH OF WELL 70 ft.

WELL'S STATIC WATER LEVE 37.34 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.65'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 70 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	70'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Brown

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-109

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095884 (in decimal degrees)
Longitude: -94.704391 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.

WELL'S STATIC WATER LEVE 40.35 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3.9'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bisnell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-110

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096021 (in decimal degrees)
Longitude: -94.704396 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.

WELL'S STATIC WATER LEVE 39.31 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD **Form WWC-5P** **KSA 82a-1212** **ID NO.** MW-111

1 LOCATION OF WATER WELL: County: Johnson	Fraction ¼ ¼ ¼ ¼	Section Number	Township Number T S	Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096654 (in decimal degrees)
Longitude: -94.703817 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 **WATER WELL OWNER:** Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 **MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:**

N
NW NE
W E
SW SE
S

4 **DEPTH OF WELL** 68 ft.
WELL'S STATIC WATER LEVE 39.15 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 **TYPE OF BLANK CASING USED:**

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or (below) land surface 36 in.

6 **GROUT PLUG MATERIAL:** ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 68 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	68'	Bentonite chips			

7 **CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) John Bigwell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-112

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095946 (in decimal degrees)
Longitude: -94.704772 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.

WELL'S STATIC WATER LEVE 40.11 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-2

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096333 (in decimal degrees)
Longitude: -94.703822 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44.5 ft.

WELL'S STATIC WATER LEVE 40.52 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.06'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	44.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-3

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.0962 (in decimal degrees)
Longitude: -94.70372 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 42.5 ft.

WELL'S STATIC WATER LEVE 38.67 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2.68'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 42.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	42.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-7-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-4

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096204 (in decimal degrees)
Longitude: -94.703602 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 43 ft.
WELL'S STATIC WATER LEVE 39.12 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.31'
Casing height above or below land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 43 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	43'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-6

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096479 (in decimal degrees)
Longitude: -94.704085 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 44 ft.

WELL'S STATIC WATER LEVE 40.6 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.58'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 44 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	44'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-7

1 LOCATION OF WATER WELL: County: Johnson

Fraction: ¼ ¼ ¼ ¼ | Section Number: | Township Number: T S | Range Number: ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096508 (in decimal degrees)
Longitude: -94.703608 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 43 ft.

WELL'S STATIC WATER LEVE 37.42 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.63'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 43 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	43'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-9

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096208 (in decimal degrees)
Longitude: -94.703489 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 43.5 ft.

WELL'S STATIC WATER LEVE 37.97 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.5'
Casing height above or below land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 43.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:
☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	43.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-5-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. TW-11

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096654 (in decimal degrees)
Longitude: -94.703817 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 43.5 ft.
WELL'S STATIC WATER LEVE 37.11 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 5.3'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 43.5 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	43.5'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-7-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St, Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD **Form WWC-5P** **KSA 82a-1212** **ID NO.** TW-12

1 LOCATION OF WATER WELL: County: Johnson	Fraction ¼ ¼ ¼ ¼	Section Number	Township Number T S	Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096512 (in decimal degrees)
Longitude: -94.704085 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: _____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 **WATER WELL OWNER:** Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 **MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:**

N
NW NE
W E
SW SE
S

4 **DEPTH OF WELL** 44 ft.

WELL'S STATIC WATER LEVE 39.7 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other _____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 **TYPE OF BLANK CASING USED:**

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile _____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.5'
Casing height above or (below) land surface 36 in.

6 **GROUT PLUG MATERIAL:** ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other _____

Grout Plug Intervals: From 3 ft. to 44 ft., From _____ ft. to _____ ft., From _____ to _____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage _____
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? _____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Top Soil, compacted			
3'	44'	Bentonite chips			

7 **CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-4-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

Appendix G: Waste Characterization Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-47357-1

Job Description: Ashland Kansas City

For:
URS Corporation
400 Northpark Town Center
1000 Abernathy Road N.E., Suite 900
Atlanta, GA 30328

Attention: Mr. Russ Killebrew

Approved for release.
Terry Hornsby
Project Manager I
5/27/2009 12:39 PM

Terry Hornsby
Project Manager I
terry.hornsby@testamericainc.com
05/27/2009

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: URS Corporation

Job Number: 680-47357-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL SAV	SW846 8260B	
Purge and Trap	TAL SAV		SW846 5030B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 680-47357-1

Method	Analyst	Analyst ID
SW846 8260B	Lanier, Carolyn	CL

SAMPLE SUMMARY

Client: URS Corporation

Job Number: 680-47357-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-47357-1	DECON-1	Water	05/15/2009 1130	05/16/2009 0945
680-47357-2	Trip Blank	Water	05/15/2009 0000	05/16/2009 0945

SAMPLE RESULTS

Client: URS Corporation

Job Number: 680-47357-1

Client Sample ID: **DECON-1**

Lab Sample ID: 680-47357-1

Client Matrix: Water

Date Sampled: 05/15/2009 1130

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 05/21/2009 1337

Date Prepared: 05/21/2009 1337

Analysis Batch: 680-138465

Instrument ID: GC/MS Volatiles - A

Lab File ID: a3451.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Chloromethane	<1.0		1.0
Bromomethane	<1.0		1.0
Vinyl chloride	<1.0		1.0
Chloroethane	<1.0		1.0
Methylene Chloride	<5.0		5.0
Acetone	46		25
Carbon disulfide	<2.0		2.0
1,1-Dichloroethene	<1.0		1.0
1,1-Dichloroethane	<1.0	*	1.0
cis-1,2-Dichloroethene	<1.0		1.0
trans-1,2-Dichloroethene	<1.0		1.0
Chloroform	<1.0		1.0
1,2-Dichloroethane	<1.0		1.0
Methyl Ethyl Ketone	19		10
1,1,1-Trichloroethane	<1.0		1.0
Carbon tetrachloride	<1.0		1.0
Bromodichloromethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
trans-1,3-Dichloropropene	<1.0		1.0
Trichloroethene	<1.0		1.0
Dibromochloromethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Benzene	<1.0		1.0
cis-1,3-Dichloropropene	<1.0		1.0
Bromoform	<1.0		1.0
2-Hexanone	<10		10
methyl isobutyl ketone	<10		10
Tetrachloroethene	<1.0		1.0
Toluene	45		1.0
Chlorobenzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Styrene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	104	75 - 120
4-Bromofluorobenzene	90	75 - 120
Dibromofluoromethane	92	75 - 121

Client: URS Corporation

Job Number: 680-47357-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 680-47357-2

Client Matrix: Water

Date Sampled: 05/15/2009 0000

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 05/20/2009 1355

Date Prepared: 05/20/2009 1355

Analysis Batch: 680-138405

Instrument ID: GC/MS Volatiles - A

Lab File ID: a3421.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Chloromethane	<1.0		1.0
Bromomethane	<1.0		1.0
Vinyl chloride	<1.0		1.0
Chloroethane	<1.0		1.0
Methylene Chloride	<5.0		5.0
Acetone	<25		25
Carbon disulfide	<2.0		2.0
1,1-Dichloroethene	<1.0		1.0
1,1-Dichloroethane	<1.0	*	1.0
cis-1,2-Dichloroethene	<1.0		1.0
trans-1,2-Dichloroethene	<1.0		1.0
Chloroform	<1.0		1.0
1,2-Dichloroethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
1,1,1-Trichloroethane	<1.0		1.0
Carbon tetrachloride	<1.0		1.0
Bromodichloromethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
trans-1,3-Dichloropropene	<1.0		1.0
Trichloroethene	<1.0		1.0
Dibromochloromethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Benzene	<1.0		1.0
cis-1,3-Dichloropropene	<1.0		1.0
Bromoform	<1.0		1.0
2-Hexanone	<10		10
methyl isobutyl ketone	<10		10
Tetrachloroethene	<1.0		1.0
Toluene	<1.0		1.0
Chlorobenzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Styrene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	75 - 120
4-Bromofluorobenzene	87	75 - 120
Dibromofluoromethane	88	75 - 121

DATA REPORTING QUALIFIERS

Client: URS Corporation

Job Number: 680-47357-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: URS Corporation

Job Number: 680-47357-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-138405					
LCS 680-138405/4	Lab Control Sample	T	Water	8260B	
LCSD 680-138405/5	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138405/7	Method Blank	T	Water	8260B	
680-47357-2	Trip Blank	T	Water	8260B	
Analysis Batch:680-138465					
LCS 680-138465/5	Lab Control Sample	T	Water	8260B	
LCSD 680-138465/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138465/8	Method Blank	T	Water	8260B	
680-47357-1	DECON-1	T	Water	8260B	

Report Basis

T = Total

Client: URS Corporation

Job Number: 680-47357-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	BFB %Rec	DBFM %Rec
680-47357-1	DECON-1	104	90	92
680-47357-2	Trip Blank	99	87	88
MB 680-138405/7		99	93	89
MB 680-138465/8		101	91	89
LCS 680-138405/4		102	97	87
LCS 680-138465/5		92	95	86
LCSD 680-138405/5		98	96	88
LCSD 680-138465/6		100	98	91

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	75-120
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121

Quality Control Results

Client: URS Corporation

Job Number: 680-47357-1

Method Blank - Batch: 680-138405

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 680-138405/7	Analysis Batch:	680-138405	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq151.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/20/2009 1220			Final Weight/Volume:	5 mL
Date Prepared:	05/20/2009 1220				

Analyte	Result	Qual	RL
Chloromethane	<1.0		1.0
Bromomethane	<1.0		1.0
Vinyl chloride	<1.0		1.0
Chloroethane	<1.0		1.0
Methylene Chloride	<5.0		5.0
Acetone	<25		25
Carbon disulfide	<2.0		2.0
1,1-Dichloroethene	<1.0		1.0
1,1-Dichloroethane	<1.0		1.0
cis-1,2-Dichloroethene	<1.0		1.0
trans-1,2-Dichloroethene	<1.0		1.0
Chloroform	<1.0		1.0
1,2-Dichloroethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
1,1,1-Trichloroethane	<1.0		1.0
Carbon tetrachloride	<1.0		1.0
Bromodichloromethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
trans-1,3-Dichloropropene	<1.0		1.0
Trichloroethene	<1.0		1.0
Dibromochloromethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Benzene	<1.0		1.0
cis-1,3-Dichloropropene	<1.0		1.0
Bromoform	<1.0		1.0
2-Hexanone	<10		10
methyl isobutyl ketone	<10		10
Tetrachloroethene	<1.0		1.0
Toluene	<1.0		1.0
Chlorobenzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Styrene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	75 - 120
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	89	75 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: URS Corporation

Job Number: 680-47357-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138405

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-138405/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1024
Date Prepared: 05/20/2009 1024

Analysis Batch: 680-138405
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq143.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138405/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1053
Date Prepared: 05/20/2009 1053

Analysis Batch: 680-138405
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq145.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	100	100	48 - 142	0	50		
Bromomethane	142	153	12 - 184	7	50		
Vinyl chloride	103	103	59 - 144	0	50		
Chloroethane	110	106	40 - 165	4	50		
Methylene Chloride	76	75	70 - 125	1	30		
Acetone	76	71	17 - 175	7	50		
Carbon disulfide	102	100	55 - 131	2	30		
1,1-Dichloroethene	97	96	62 - 141	1	30		
1,1-Dichloroethane	63	65	74 - 127	3	30	*	*
cis-1,2-Dichloroethene	76	85	69 - 134	11	30		
trans-1,2-Dichloroethene	85	87	72 - 131	2	30		
Chloroform	86	86	82 - 120	0	30		
1,2-Dichloroethane	107	104	66 - 132	2	30		
Methyl Ethyl Ketone	82	80	33 - 157	3	30		
1,1,1-Trichloroethane	108	98	76 - 127	10	30		
Carbon tetrachloride	129	118	71 - 135	9	30		
Bromodichloromethane	107	106	78 - 127	2	30		
1,1,2,2-Tetrachloroethane	87	87	69 - 129	1	30		
1,2-Dichloropropane	93	87	73 - 124	7	30		
trans-1,3-Dichloropropene	101	99	73 - 128	1	30		
Trichloroethene	104	100	84 - 115	3	30		
Dibromochloromethane	104	103	75 - 133	1	30		
1,1,2-Trichloroethane	95	90	75 - 121	5	30		
Benzene	87	89	77 - 119	2	30		
cis-1,3-Dichloropropene	99	94	76 - 126	5	30		
Bromoform	89	85	62 - 133	4	30		
2-Hexanone	86	86	34 - 161	0	30		
methyl isobutyl ketone	91	90	40 - 151	1	30		
Tetrachloroethene	112	110	76 - 126	2	30		
Toluene	102	98	81 - 117	4	30		
Chlorobenzene	95	93	85 - 116	1	30		
Ethylbenzene	101	98	86 - 116	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: URS Corporation

Job Number: 680-47357-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138405

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 680-138405/4	Analysis Batch:	680-138405	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq143.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/20/2009 1024			Final Weight/Volume:	5 mL
Date Prepared:	05/20/2009 1024				

LCSD Lab Sample ID:	LCSD 680-138405/5	Analysis Batch:	680-138405	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq145.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/20/2009 1053			Final Weight/Volume:	5 mL
Date Prepared:	05/20/2009 1053				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Styrene	99	95	82 - 122	4	30		
Xylenes, Total	97	96	84 - 118	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	98	75 - 120
4-Bromofluorobenzene	97	96	75 - 120
Dibromofluoromethane	87	88	75 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: URS Corporation

Job Number: 680-47357-1

Method Blank - Batch: 680-138465

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138465/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 1227
Date Prepared: 05/21/2009 1227

Analysis Batch: 680-138465
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq165.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	<1.0		1.0
Bromomethane	<1.0		1.0
Vinyl chloride	<1.0		1.0
Chloroethane	<1.0		1.0
Methylene Chloride	<5.0		5.0
Acetone	<25		25
Carbon disulfide	<2.0		2.0
1,1-Dichloroethene	<1.0		1.0
1,1-Dichloroethane	<1.0		1.0
cis-1,2-Dichloroethene	<1.0		1.0
trans-1,2-Dichloroethene	<1.0		1.0
Chloroform	<1.0		1.0
1,2-Dichloroethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
1,1,1-Trichloroethane	<1.0		1.0
Carbon tetrachloride	<1.0		1.0
Bromodichloromethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
trans-1,3-Dichloropropene	<1.0		1.0
Trichloroethene	<1.0		1.0
Dibromochloromethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Benzene	<1.0		1.0
cis-1,3-Dichloropropene	<1.0		1.0
Bromoform	<1.0		1.0
2-Hexanone	<10		10
methyl isobutyl ketone	<10		10
Tetrachloroethene	<1.0		1.0
Toluene	<1.0		1.0
Chlorobenzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Styrene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	101	75 - 120
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	89	75 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: URS Corporation

Job Number: 680-47357-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138465

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 680-138465/5	Analysis Batch:	680-138465	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq157.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/21/2009 1011			Final Weight/Volume:	5 mL
Date Prepared:	05/21/2009 1011				

LCSD Lab Sample ID:	LCSD 680-138465/6	Analysis Batch:	680-138465	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq159.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/21/2009 1040			Final Weight/Volume:	5 mL
Date Prepared:	05/21/2009 1040				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	91	100	48 - 142	10	50		
Bromomethane	109	140	12 - 184	25	50		
Vinyl chloride	91	104	59 - 144	13	50		
Chloroethane	100	114	40 - 165	13	50		
Methylene Chloride	73	75	70 - 125	3	30		
Acetone	66	72	17 - 175	8	50		
Carbon disulfide	91	102	55 - 131	11	30		
1,1-Dichloroethene	79	95	62 - 141	18	30		
1,1-Dichloroethane	63	65	74 - 127	3	30	*	*
cis-1,2-Dichloroethene	76	74	69 - 134	2	30		
trans-1,2-Dichloroethene	81	88	72 - 131	8	30		
Chloroform	83	89	82 - 120	7	30		
1,2-Dichloroethane	108	109	66 - 132	1	30		
Methyl Ethyl Ketone	89	85	33 - 157	4	30		
1,1,1-Trichloroethane	85	109	76 - 127	24	30		
Carbon tetrachloride	97	124	71 - 135	25	30		
Bromodichloromethane	108	113	78 - 127	5	30		
1,1,2,2-Tetrachloroethane	87	89	69 - 129	2	30		
1,2-Dichloropropane	89	94	73 - 124	5	30		
trans-1,3-Dichloropropene	99	100	73 - 128	1	30		
Trichloroethene	100	106	84 - 115	6	30		
Dibromochloromethane	107	110	75 - 133	3	30		
1,1,2-Trichloroethane	90	92	75 - 121	2	30		
Benzene	89	91	77 - 119	3	30		
cis-1,3-Dichloropropene	96	100	76 - 126	5	30		
Bromoform	90	90	62 - 133	0	30		
2-Hexanone	89	94	34 - 161	5	30		
methyl isobutyl ketone	90	93	40 - 151	3	30		
Tetrachloroethene	100	113	76 - 126	13	30		
Toluene	94	102	81 - 117	8	30		
Chlorobenzene	91	96	85 - 116	6	30		
Ethylbenzene	96	102	86 - 116	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: URS Corporation

Job Number: 680-47357-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138465

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 680-138465/5	Analysis Batch:	680-138465	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq157.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/21/2009 1011			Final Weight/Volume:	5 mL
Date Prepared:	05/21/2009 1011				

LCSD Lab Sample ID:	LCSD 680-138465/6	Analysis Batch:	680-138465	Instrument ID:	GC/MS Volatiles - A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	aq159.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	05/21/2009 1040			Final Weight/Volume:	5 mL
Date Prepared:	05/21/2009 1040				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Styrene	94	97	82 - 122	4	30		
Xylenes, Total	93	99	84 - 118	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	92	100	75 - 120
4-Bromofluorobenzene	95	98	75 - 120
Dibromofluoromethane	86	91	75 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Kristan Sansone	Site Contact:	Date:	COC No:
URS Corporation	Tel/Fax: (678) 808-8971	Lab Contact:	Carrier:	_____ of _____ COCs
8300 College Blvd. Ste. 200	Analysis Turnaround Time			Job No.
Overland Park, KS, 66210	Calendar (C) or Work Days (W) _____			
(913) 344-1000 Phone	TAT if different from Below _____			
(913) 344-1011 FAX	[x] 2 weeks			SDG No.
Project Name: Ashland KCK	[ ] 1 week			
Site:	[ ] 2 days			
P O # 37680149	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	8260B VOCs TCL - SUBLIST	Sample Specific Notes:
DECON-1	5/15/2009	1130	C	AQ	3		X	
TRIP-1	5/15/09		C	AQ	1		X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [ ]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] *Return To Client* [ ] *Disposal By Lab* [ ] *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

68047357

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
				TAS	051609 0945
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TEMP

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-47732-1

Job Description: Ashland Kansas City

For:
URS Corporation
400 Northpark Town Center
1000 Abernathy Road N.E., Suite 900
Atlanta, GA 30328

Attention: Mr. Russ Killebrew

Approved for release.
Terry Hornsby
Project Manager I
6/9/2009 9:49 PM

Terry Hornsby
Project Manager I
terry.hornsby@testamericainc.com
06/09/2009

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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METHOD SUMMARY

Client: URS Corporation

Job Number: 680-47732-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Ignitability, Pensky-Martens Closed-Cup Method	TAL SAV	SW846 1010	
pH	TAL SAV	SW846 9040B	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 680-47732-1

Method	Analyst	Analyst ID
SW846 1010	Blackshear, Kim	KB
SW846 9040B	Lawhon, Jon	JL

SAMPLE SUMMARY

Client: URS Corporation

Job Number: 680-47732-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-47732-1	Decon - 1	Water	06/01/2009 1245	06/02/2009 0851

SAMPLE RESULTS

General Chemistry

Client Sample ID: **Decon - 1**

Lab Sample ID: 680-47732-1

Client Matrix: Water

Date Sampled: 06/01/2009 1245

Date Received: 06/02/2009 0851

Analyte	Result	Qual	Units	Dil	Method
Flashpoint	>140		Degrees F	1.0	1010
	Anly Batch: 680-139866	Date Analyzed	06/08/2009 1323		
pH	7.63		SU	1.0	9040B
	Anly Batch: 680-139412	Date Analyzed	06/02/2009 1316		

QUALITY CONTROL RESULTS

Client: URS Corporation

Job Number: 680-47732-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-139412					
LCS 680-139412/1	Lab Control Sample	T	Water	9040B	
680-47732-1	Decon - 1	T	Water	9040B	
Analysis Batch:680-139866					
MB 680-139866/1	Method Blank	T	Water	1010	
680-47732-1	Decon - 1	T	Water	1010	

Report Basis

T = Total

Client: URS Corporation

Job Number: 680-47732-1

Method Blank - Batch: 680-139866

Method: 1010
Preparation: N/A

Lab Sample ID:	MB 680-139866/1	Analysis Batch:	680-139866	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	Degrees F	Initial Weight/Volume:	
Date Analyzed:	06/08/2009 1323			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

Analyte	Result	Qual	NONE
Flashpoint	>140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: URS Corporation

Job Number: 680-47732-1

Lab Control Sample - Batch: 680-139412

Method: 9040B
Preparation: N/A

Lab Sample ID: LCS 680-139412/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/02/2009 1312
Date Prepared: N/A

Analysis Batch: 680-139412
Prep Batch: N/A
Units: SU

Instrument ID: PC Titrate - Mantech1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.00	7.030	100	63 - 158	

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: KRISTAN SANSONE	Site Contact:	Date: 6/1/09	COC No:
URS CORPORATION	Tel/Fax: 678-808-8971	Lab Contact:	Carrier: FED EX	1 of 1 COCs
	Analysis Turnaround Time			Job No.
	Calendar (C) or Work Days (W) _____			
Phone	TAT if different from Below _____			
FAX	☐ 2 weeks			SDG No.
Project Name:	☐ 1 week			
Site:	☐ 2 days			
PO#	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	FLASH POINT - 1010	pH 9040B	Sample Specific Notes:
DECON-1	6-1-09	1245 WATER	GRAB WATER	GW	2		X	X	
									680-47732

Page 11 of 11

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

TEMPERATURE
4.2

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS	6/1/09 1400	FED EX		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Beth A Daughtry	TA SAV	6/2/09 0851
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

06/09/09

Appendix H: Class V Termination Letter Correspondence

URS

June 22 2009

Ms. Cynthia Randall
Kansas Department of Health and Environment
Division of Environment
Bureau of Water
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

Re: Class V Air Sparging Well Abandonment Notification
Ashland Chemical Company
5420 Speaker Road, Kansas City, Kansas

Dear Ms. Randall:

In conformity with K.S.A. 65-171d, Ashland Inc. (Ashland) submitted a the Class V Air Sparge application on May 14, 2004 to the Kansas Department of Health and Environment (KDHE) Underground Injection Control (UIC) Program to inject air into or above an underground source of fresh or usable water by means of injection wells for the purpose of remediation of contamination at the Ashland facility located at 5420 Speaker Road, Kansas City, Kansas (see **Figure 1**). The permit application was for the operation of dual use soil vapor extraction (SVE) and air sparging (AS) wells in conjunction with a groundwater and soil remediation project at the facility. The 10 well system consisted of four dual use AS/SVE wells (MW-101 through MW-102) and six AS wells (MW-105 through MW-112). The well locations are shown on the well location map included as **Figure 2**.

In a letter dated June 28, 2004, KDHE notified Ashland that the proposed wells met the UIC Program requirements; however, the agency did not intend to issue formal permits for operation of the wells. The remediation was subsequently successfully completed, and sampling and analysis confirmed that the groundwater concentrations had fallen below the applicable regulatory levels in all monitor wells on site. As such, this letter is intended as notification of the plugging and abandonment of the above referenced AS/SVE wells. The AS/SVE wells were plugged and abandoned according to the Well Abandonment/Remediation System Closure Work Plan (Closure Work Plan) dated January 2009 (**Attachment 1**). The Closure Work Plan was approved by the United States Environmental Protection Agency in a letter dated March 4, 2009 (see **Attachment 2**)

During the week of May 4, 2009, PSC Industrial Outsourcing LP (PSC) plugged and abandoned the above referenced AS/SVE wells according to sections from Article 30 which pertain to the plugging of abandoned water wells, cased and uncased holes (e.g., K.A.R. 28-30-2 through K.A.R. 28-30-4 and K.A.R. 28-30-7). Completed WWC-5P forms were submitted to KDHE on June 1, 2009 (see **Attachment 3**). PSC's business address and KDHE water well contractor license number are included below:

URS Corporation
5550 Blazer Parkway
Suite 175
Dublin, OH 43017
Tel: 614.726.3500
Fax: 614.726.3599

PSC Industrial Outsourcing LP (PSC) 210 W. Sandbank Rd. Columbia, Illinois 62236 Phone: (800) 733-7173 Fax: (618) 281-7020 Kansas Water Well Liscense #655

Please address future correspondence regarding this application to:

Michael Dever Ashland Inc. P.O. Box 2219 Columbus, Ohio 43126 Phone: 614.790.1586 Fax: 614.790.6232 mbdever@ashland.com	Kristan Sansone URS Corporation 400 Northpark Town Center 1000 Abernathy Road, NE Suite 900 Atlanta, GA 30328 Phone: 678.808.8971 Fax: 678.808.8400 kristan_sansone@urscorp.com

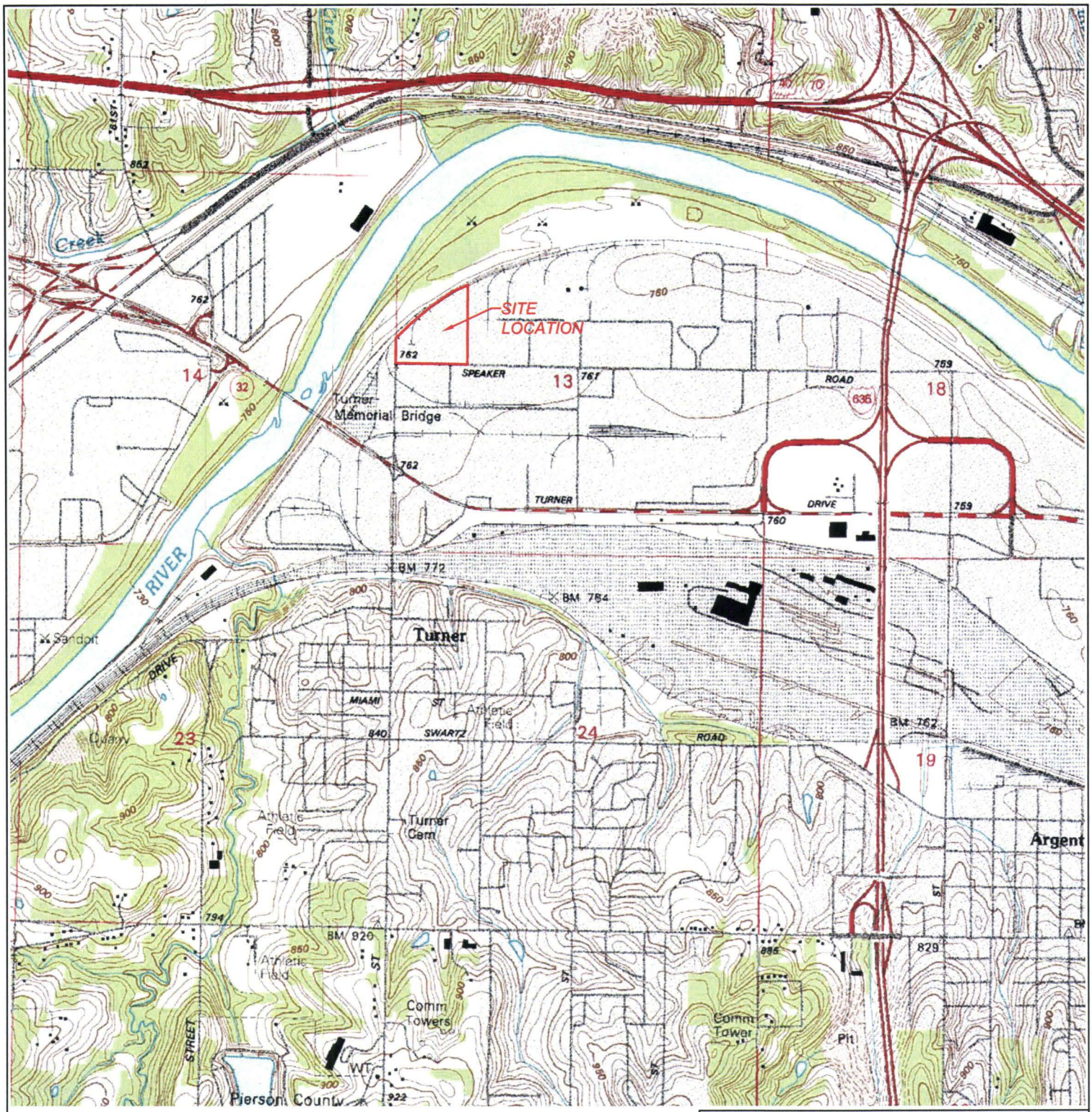
Sincerely,
URS Corporation

Kristan Sansone
Project Manager

Attachments

cc: Mr. Harry Gabbert USEPA
Mostafa Kamal, Kansas Department of Health and Environment
Michael Dever, Ashland Inc.
Michael Titterington, Ashland Inc.
Richard Johannes, URS Corporation
James T. Price, Esq., Spencer Fane Britt & Browne LLP

Figure 1 Site Location Map



N
W E
S

SCALE: 1" - 2,000'

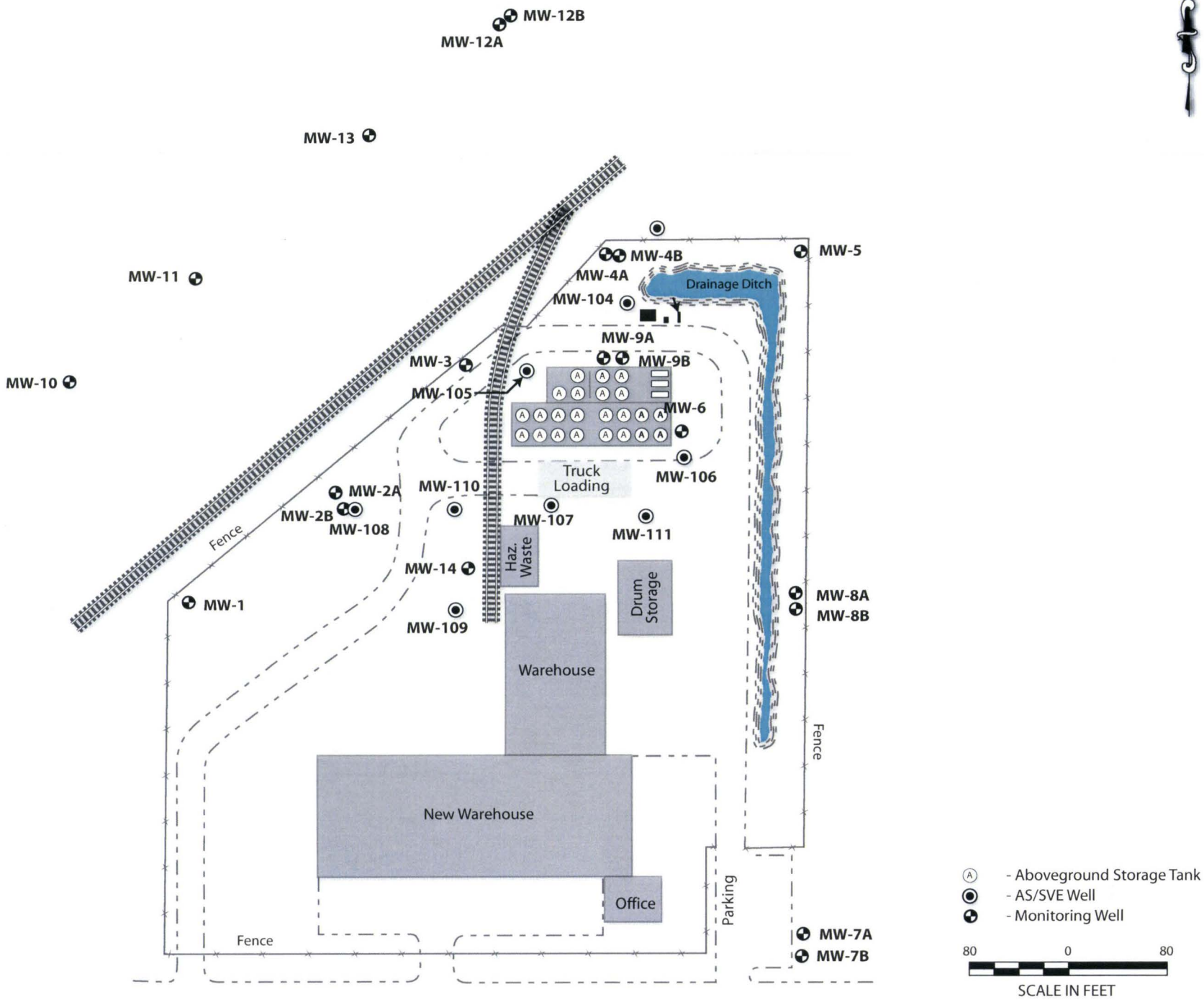
M:\Kansas City, KS\Fig1_Site-Location.dwg

URS

FIGURE 1
SITE LOCATION MAP

ASHLAND KANSAS CITY DSO
KANSAS CITY, KANSAS

DRAWN BY: MDO	DATE DRAWN: 11/02/2007
REVIEWED BY: KS	DATE REVIEWED:
SCALE: 1" = 200'	PLOT DATE:
PROJECT NO.: 37680077	
REVISED BY:	REV. DATE:
REVISED BY:	REV. DATE:



CLIENT: Ashland

PROJECT: Kansas City, Kansas

DATE: July 2008

DESIGNED BY:

SCALE: As Shown

DRAWN BY: J. Anderson

FILE: H:\proj\Ashland\KansasCity\DSO\June2007\Figure 1 MW Locai

CHECKED BY: K. Sansone

URS

TITLE: Monitoring Well Locations

PROJ. NO.: 37679730

TASK: 07800

FIGURE: 2

URS

January 21, 2009

Mr. Harry Gabbert
U.S. Environmental Protection Agency
901 North 5th Street ARTD/RCAP
Kansas City, Kansas 66101.2907

Re: Well Abandonment/Remediation System Closure Work Plan
Ashland Inc. Kansas City, Kansas Facility, EPA ID No. KSD 057 889 313

Dear Mr. Gabbert:

Enclosed, please find one copy of the Well Abandonment/Remediation System Closure Work Plan.

Should you have any questions or comments regarding the information presented in this report, please do not hesitate to contact Mike Dever (Ashland) at 614-790-1586 or myself at 678-808-8971.

Sincerely,
URS Corporation

Kristan Sansone
Project Manager

Enclosure

cc: Mostafa Kamal, Kansas Dept of Health and Environment
Michael Titterington, Ashland Inc.
Michael Dever, Ashland Inc.
Richard Johannes, URS Corporation
James T. Price, Esq., Spencer Fane Britt & Browne LLP

URS Corporation
5550 Blazer Parkway
Suite 175
Dublin, OH 43017
Tel: 614.726.3500
Fax: 614.726.3599

WELL ABANDONMENT/REMEDIATION SYSTEM CLOSURE WORK PLAN FOR THE ASHLAND INC. KANSAS CITY, KANSAS FACILITY EPA I.D. NO. KSD 057 889 313

Date: January 2009

Project No.: 37680149

URS

URS Corporation
5550 Blazer Parkway
Suite 175
Dublin, OH 43017

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Table 1 Well Network List

Table 2 AS/SVE System Components

FIGURES

Figure 1 Site Location Map

Figure 2 Monitor Well Network

1.0 INTRODUCTION

Ashland Inc. (Ashland) presents this Well Abandonment/Remediation System Closure Work Plan (Work Plan) for the Ashland Distribution facility in Kansas City, Kansas (Site). The Site is located at 5420 Speaker Road in Kansas City, Kansas as shown on **Figure 1**. The Site occupies approximately 5.7 acres in an area designated as industrial in Wyandotte County and has operated as a wholesale industrial chemicals and solvents distribution facility supplying industrial and commercial users throughout the Midwest.

The main regulatory driving force for this facility is the Corrective Action requirement under the Resource Conservation and Recovery Act (RCRA). The RCRA Corrective Action Program is enforced by the United States Environmental Protection Agency (EPA) principally through statutory authorities established by the Hazardous and Solid Waste Amendments of 1984 (HSWA) and is intended to address remediation of hazardous releases related to RCRA-permitted facilities. Section 3005(u) of the HSWA gives EPA statutory authority to require corrective action as a condition of a facility's Part B permit.

Under the HWSA, the EPA issued Part II of the permit for the Site on September 29, 2000. The facility submitted a Corrective Measures Study (CMS) and Corrective Measures Implementation (CMI) Plan to the EPA in February of 2001. The CMS recommended that corrective measures selected for the site include an air sparge/soil vapor extraction system (AS/SVE). In a letter dated March 1, 2004, EPA approved the CMI plan submitted in February 2001. The AS/SVE system operated from January 10, 2005 to January 10, 2006. The system was then shut down to observe for any potential rebound effects in groundwater. Following the shutdown of the system, groundwater samples were collected quarterly for two years for laboratory analysis and contaminant concentrations were all below their respective maximum contaminant levels (MCLs).

On November 21, 2008, Ashland submitted a Class 3 permit modification request to address the corrective action requirements in the form of a "Corrective Action Complete" determination for the facility. The request only applied to Part II of the permit issued by the EPA. In response to the draft permit modification request, a Draft Permit Modification was submitted by the EPA for public comment on September 15, 2008 through November 15, 2008. The purpose of this Work Plan is to outline the field activities for the corrective action completion activities outlined in the proposed addition to the Part II or the Permit (Section III.I.2).

2.0 PURPOSE AND OBJECTIVES

This section will discuss the purpose of the Work Plan and objectives of the corrective action closure activities to be performed at the Site.

2.1 Purpose

This Work Plan is being prepared and submitted in accordance with the proposed Section III.I.2.b of the Part II Permit Modification. The purpose of the Work Plan is to outline the field activities necessary to complete the Corrective Action Complete Activities outlined in the proposed Sections III.I.2 (a and b) of the Part II Permit. The Work Plan will be submitted to the EPA for approval (Section III.I.2.b) and will serve as a bid proposal document for potential subcontractors to be selected for portions of the upcoming work

2.2 Objectives

The objective is to complete the "corrective action complete activities" included in the proposed draft permit modification (Section III.I.2). The required activities are the following:

- Plug and abandon all monitor wells, air sparge wells and AS/SVE wells in accordance with Kansas regulations K.A.R. 28-30-02 through K.A.R. 28-30-4, K.A.R. 28-30-7, and Class V Air Sparging Permit request approved by Kansas Department of Health and Environment dated June 28, 2004.
- Submit a plan for the decontamination, decommission, dismantling and removal of the above ground treatment system and piping. Upon approval by EPA, the plan will be implemented and documented in appropriate report form for submittal to the EPA.
- Submit an application to KDHE to terminate the underground injection permit for sparge air approved on June 28, 2004.

3.0 WELL ABANDONMENT

The monitor wells, air sparge/soil vapor extraction system injection wells (injection wells) and temporary wells are to be abandoned. A total of 30-36 wells exist within the monitor well network (see **Figure 2**). Twenty (20) wells are typical groundwater monitoring wells, ten (10) wells are injection wells and six are temporary wells that may or may not still exist at the site. A list of wells to be abandoned is included as **Table 1**.

3.1 Monitor Well/Injection Well Abandonment Procedures

This section describes required procedures for abandoning the monitor well network, including groundwater monitoring, injection and temporary wells. Abandonment procedures must preclude any current or subsequent discharges from entering or exiting the abandoned boring or well and to terminate access to the subsurface environment through that borehole. Abandonment procedures must also prevent mixing of water between aquifers if the boring penetrates more than one aquifer.

Wells will be abandoned using methods consistent with the sections from Article 30 which pertain to the plugging of abandoned water wells, cased and uncased holes (e.g., K.A.R. 28-30-2 through K.A.R. 28-30-4 and K.A.R. 28-30-7).

Monitor well and injection well abandonment will be performed by a subcontractor, who shall plan to execute the work in a single mobilization event and complete the following activities:

- All monitor well and injection well locations shall be cleared of any vegetation, debris, or gravel.
- The well casing shall be removed, if necessary.
- For injection wells, existing air sparge stinger pipes and K-packers, if present, will be removed.
- Cement/bentonite grout shall be mixed at a ratio of 94 pounds of Portland cement to five pounds of powdered bentonite and eight and a half gallons of potable water. During formulation of the cement/bentonite grout, the bentonite shall be hydrated first prior to addition of the Portland cement.
- The monitor well screen and casing shall be tremie grouted from the bottom of the monitor well to three feet below ground surface (bgs) with cement/bentonite grout equaling at least the inside volume of the well.
- Any groundwater displaced upward inside the well casing during the plugging operation shall be removed and containerized before additional plugging materials are added. All water generated during the abandonment of wells shall be containerized in 55 gallon drums for disposal (See Section 7.0)
- A period of 24 hours shall be given to allow the grout to set up. The grout settlement shall then be measured and additional grout shall be added as necessary.

- If the monitor well or injection well is located in an unpaved area, the well pad and protective casing shall be removed. The monitor well casing shall be either cut off or drilled out to a depth of three feet below ground surface. The excavation shall be filled with commercial grade topsoil (surface silts or clays) placed from three feet bgs to the ground surface. The topsoil shall be compacted in six-inch lifts. The location will be seeded with grass.
- If the monitor well is located in a paved area, the well pad and manhole shall be removed. The monitor well casing shall be either cut off or drilled out to a depth of three feet below ground surface. The excavation shall be filled with commercial grade topsoil (surface silts or clays) placed from three feet bgs to the top of the native soil surface. The remainder of the excavation shall be filled with corresponding material that composed the original surface (gravel, asphalt or concrete).
- If an injection well is located in a paved area and the vault is flush to the ground as to not impede traffic, the vault may be left in place. The excavation shall be filled with commercial grade topsoil (surface silts or clays) placed from three feet bgs to the top of the native soil surface. The remainder of the excavation shall be filled with corresponding material that composed the original surface (gravel, asphalt or concrete).
- In addition to the above procedures, wells constructed with less than 20 feet of grout in the borehole annulus shall be plugged such that at least the top 20 feet of casing shall be removed or perforated with a casing ripper or similar device prior to over drilling the well. The well annulus shall be drilled to a depth of at least 20 feet bgs to remove the filter pack and casing from the borehole annulus. After over drilling, the borehole shall be plugged in accordance with the previous procedures listed above.
- The well pads, protective casings, injection well vaults, concrete and manholes shall be properly disposed of or recycled
- A KDHE Water Well Record Form WWC-5 shall be completed for each abandoned well and submitted to the KDHE.
- Abandonment procedures, plugging and grouting materials used, and general site activities shall be recorded for each abandoned monitor well in a site logbook in addition to the WWC-5 form.

3.2 Disposal

All water generated during abandonment activities will be containerized in new 55 gallon drums (to be provided by the contractor). All other waste generated during well abandonment activities (including but not limited to well pads, protective casings, injection well vaults, concrete, manholes and PPE) will be stockpiled, stored and disposed of in accordance with applicable regulations.

3.3 KDHE Record Filing

The Contractor shall complete KDHE form WWC-5 for each well abandonment and file with KDHE with copy to URS.

4.0 REMEDIATION SYSTEM CLOSURE

This section describes the activities associated with the dismantling of the AS/SVE remediation system. The closure of the system will be conducted by a demolition contractor selected by URS Corporation. System closure activities are described herein.

4.1 De-energizing the Remediation System

The remediation system will be de-energized by a qualified licensed electrician, who will dismantle the existing load center and work with the Kansas City PL to pull the meter to the system.

4.2 Conveyance Piping Infrastructure

All above ground piping within the interior of the shed shall be disassembled and stockpiled for disposal. Care will be taken to capture and containerize any water that may have pooled within the system piping. Interior piping located below ground surface shall be abandoned in place. Piping shall be cold cut, capped, labeled and left in place.

Any system piping exterior of the shed located above ground shall be removed and stockpiled for future disposal. System piping located below the ground surface will be evaluated to determine if it will be removed or left in place. Piping located below ground will be removed if buried at a shallow depth (<1 foot bgs). If underground piping is buried below one foot or if it extends beneath asphalt, the piping will be cut (cold cut), capped, labeled and left in place. When abandoning all system piping exterior of the shed, care will be taken to capture and containerize in a 55 gallon drum all water that may have pooled within the pipes.

All water generated during abandonment of the piping infrastructure will be containerized within a 55 gallon drum (to be provided by the subcontractor). The drums shall be stored on pallets for disposal (see Section 7.0).

4.3 Above Ground Machinery

System machinery will be disassembled by a qualified subcontractor selected by Ashland. A list of the AS/SVE system components is included as **Table 2**. Table 2 includes system components in its original design and does not include any additional equipment installed during upgrades (if applicable).

All personnel will wear surgical gloves during the dismantling of the system components. Care will be taken to capture any water or other liquid that may have pooled within the components of the system. At a minimum, the air/water separator (knock out tank) and any system component which currently contains water or liquid will be decontaminated, as a conservative measure, prior to disposal (see Section 4.6). The system components will be disposed of or recycled by the demolition contractor according to applicable regulations.

4.4 Remediation System Compound

The remediation shed will remain intact in its current location. The shed should be left empty of all contents and clean from any remaining debris. All fencing or other compound facilities should remain intact.

4.5 Utilities

With the exception of electricity, utilities are not available at the remediation shed. The electrical utilities to the system will be decommissioned by a licensed electrician prior to closure activities (see Section 4.1).

4.6 Decontamination

A decontamination area will be set-up on-site using heavy plastic sheeting with bermed sides or a prefabricated decontamination (decon) pad. All decontamination rinse water will be collected in the decon area and pumped into 55-gallon closed-top drums. The knock out tank and any system equipment that currently contains water will be pressure washed or steam cleaned with alconox and rinsed with potable water prior to disposal.

5.0 HEALTH AND SAFETY

Health and Safety procedures are described in the *Health and Safety Plan for the Remediation System Dismantlement at the Ashland Distribution Services Organization Facility dated May 2008.* All closure activities will be performed in Level D Personnel Protection Equipment (PPE). The following sections describe additional health and safety procedures associated with the closure activities.

5.1 Electrical Precautions

Prior to performing any closure activities or dismantling the AS/SVE remediation system, the remediation system electrical utilities will be disconnected.

5.2 Chemical Precautions

Personnel should wear surgical gloves and safety goggles when coming into contact with groundwater or knockout tank fluid. Thus, personnel should wear surgical gloves at all times when dismantling the remediation system and associated piping. Equipment should be drained prior to disassembly, and the water captured or pumped into a 55 gallon drum.

5.3 Physical Precautions

For safety reasons, any vessel component will be opened or cold cut (if necessary) so that each vessel has a full diameter opening prior to disposal. No "hot work" (i.e. torch cutting) will be performed during the closure activities.

6.0 FIELD DOCUMENTATION

Field documentation required during the closure activities includes keeping a detailed field logbook and completing a KDHE form WWC-5 for each well abandonment, and filing the WWC-5 with KDHE.

6.1 Field Logbooks

A detailed documentation of field activities is to be maintained in permanently bound hardcover field logbooks that are used to record general field activities. The pages of the notebook will be consecutively numbered by the user and will not be removed. Documentation in the field logbook is to be of sufficient detail to reconstruct pertinent activities at a later date. Entries into the field logbook may include, but are not necessarily limited to, the following information:

- ❑ Date
- ❑ Task or activity description
- ❑ All field personnel present
- ❑ Facility visitors
- ❑ Air monitoring equipment readings, if applicable
- ❑ Field equipment calibration
- ❑ Health and Safety related problems and corrective measures taken
- ❑ Changes or modifications to procedures
- ❑ For well abandonment procedures, plugging and grouting materials used (in addition to general site activities) shall be recorded for each abandoned monitor well in the logbook in addition to the WWC-5 form
- ❑ Other project-specific information

All entries will be made in blue or blank ink and no erasures will be allowed. If an incorrect or unreadable entry is made, the information will be crossed out with a single strike mark and the change initialed and dated by the team member performing the change. Changes should be made in a manner so that both the original content and corrected entries are legible. Entries will be descriptive and detailed so that a particular situation can be reconstructed without reliance on the collector's memory.

Each page in the field logbook will be signed and dated in the top margin by all persons making entries on that page.

Field logbooks will be identified by a project-specific number and will be stored in the field project files when not in use.

7.0 WASTE DISPOSAL

Waste generated during the field event will be stockpiled or containerized for subsequent disposal in accordance with local, state and federal regulations. The subcontractors will take appropriate precautions to secure all waste from the time of generation to transport.

7.1.1 Well Abandonment Water

All water generated during well abandonment activities will be properly contained in DOT –approved 55 gallon closed-top drums. All drums will be properly labeled in the field with the date and contents clearly marked. The drums will be staged on pallets at the Site pending characterization and off-site disposal.

7.1.2 Waste Water

All water generated during the activities associated with closure of the remediation system (decontamination, pipe removal, etc.) will be containerized in a 55 gallon drum, separate from the water generated during well abandonment activities. All drums will be properly labeled in the field with the date and contents clearly marked. A sample will be collected for VOC analysis from the drum(s) for waste characterization analysis. The drums will be staged on pallets at the Site pending characterization and off-site disposal.

7.1.3 All other waste

All other materials generated during closure activities (PPE, steel, concrete, etc.) will be recycled or disposed of off site at permitted disposal facility by the appointed subcontractor according to applicable regulations.

8.0 SCHEDULE

It is anticipated that well abandonment and remediation closure activities will be performed within 180 days of approval of this Work Plan. In accordance with the proposed Section III.I.3.a, a Certification of Completion Report will be submitted to the EPA Section 7 following the completion of all corrective action activities outlined in Section III.I.2.

TABLES

Table 1
Well Network List
Ashland Inc.
Kansas City, Kansas

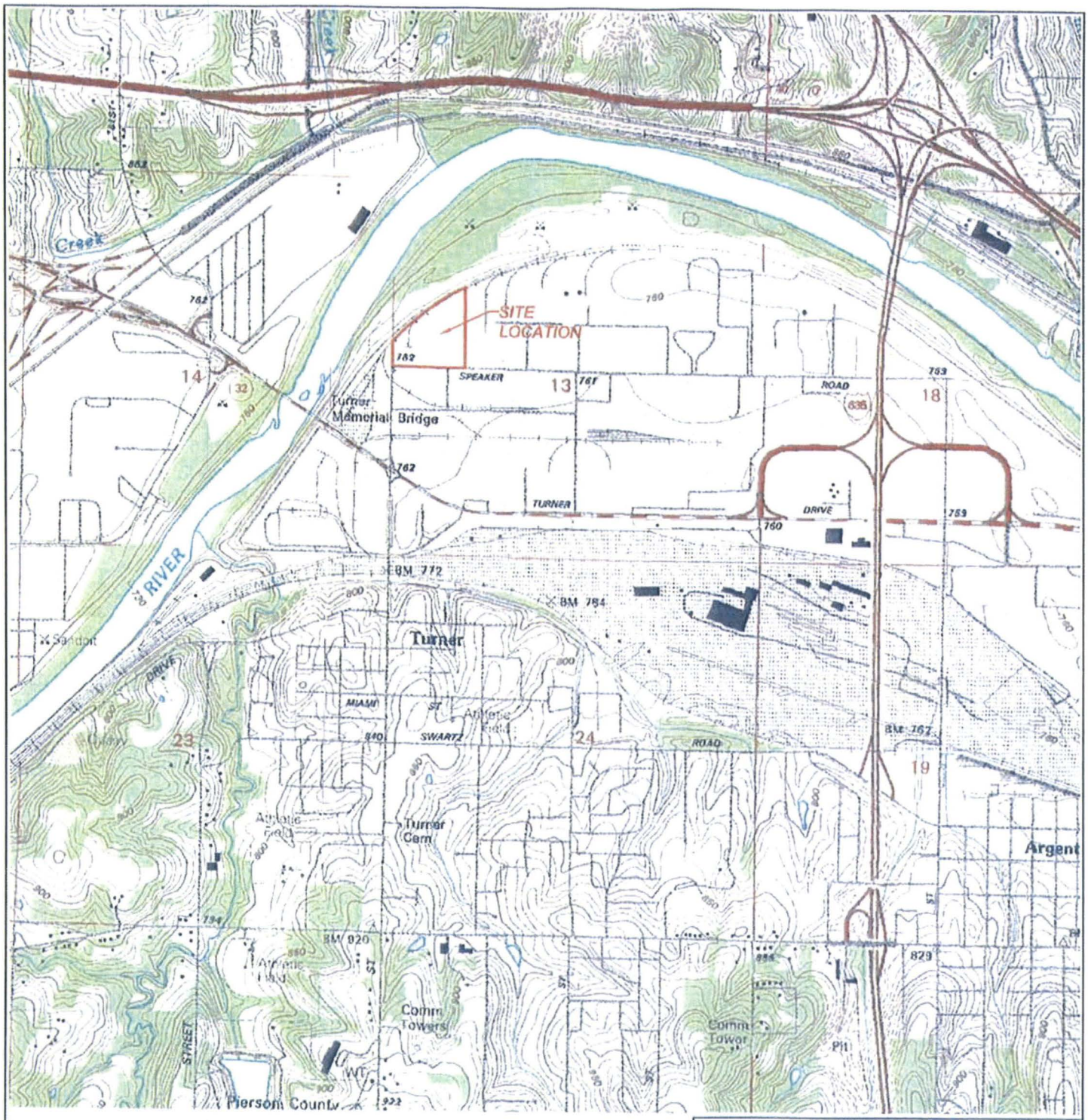
Well ID	Well Diameter	Completion Type	Depth (feet bgs)	Surface
Monitor Wells				
MW-1	2 inch	Above Ground	50.31	Grass
MW-2A	2 inch	Above Ground	50.27	Grass
MW-2B	2 inch	Above Ground	73.63	Grass
MW-3	2 inch	Above Ground	49.65	Grass
MW-4A	2 inch	Above Ground	50.45	Grass
MW-4B	2 inch	Above Ground	71.09	Grass
MW-5	2 inch	Above Ground	50.22	Grass
MW-6	2 inch	Above Ground	49.72	Grass
MW-7A	2 inch	Above Ground	50.54	Grass
MW-7B	2 inch	Above Ground	99	Grass
MW-8A	2 inch	Above Ground	49.77	Grass
MW-8B	2 inch	Above Ground	63.7	Grass
MW-9A	2 inch	Above Ground	46.79	Grass
MW-9B	2 inch	Above Ground	71.34	Grass
MW-10	2 inch	Above Ground	51.59	Grass
MW-11	2 inch	Above Ground	40.59	Grass
MW-12A	2 inch	Above Ground	46.57	Grass
MW-12B	2 inch	Above Ground	74.02	Grass
MW-13	2 inch	Above Ground	45.75	Grass
MW-14	2 inch	Above Ground	45	Grass
AS/SVE Injection Wells				
MW-101	2 inch	Above Ground	60	Grass
MW-104	2 inch	Above Ground	60	Grass
MW-105	2 inch	Flush-mounted	60	Grass
MW-106	2 inch	Flush-mounted	60	Gravel
MW-107	2 inch	Flush-mounted	60	Grass
MW-108	2 inch	Flush-mounted	72	Grass
MW-109	2 inch	Flush-mounted	72	Gravel
MW-110	2 inch	Flush-mounted	71	Gravel
MW-111	2 inch	Flush-mounted	70	Gravel
MW-112	2 inch	Flush-mounted	71	Grass
Temporary Wells				
TW-1	2 inch	Above Ground	45	Grass
TW-2	2 inch	Above Ground	45	Grass
TW-3	2 inch	Above Ground	45	Grass
TW-4	2 inch	Above Ground	45	Grass
TW-5	2 inch	Above Ground	45	Grass
TW-6	2 inch	Above Ground	45	Grass

Table 2
AS/SVE System Component
Ashland Inc.
Kansas City, Kansas

Air Sparging Equipment		
Item	**Description and dimensions**	**Quantity**
Air Compressor	Sullair ES8-20H 5' x 3' x 3.5'	1
Compressed air pre-filter	Airite	1
Compressed air carbon filter	Airite	1
Solenoids valves	Red Hat, 120 volts, 1" female inlet/outlet	2
Pressure indicators	1/4" 0-100 psi glycerin filled SS	8
Flow regulating valves	Wilkerson 1/2" NPT female inlet/outlet	4
Manifold	1/2" galvanized steel pipe	1
1/2" I.D. hose	PVC	500 feet
1 1/4" O.D. pipe	PVC	240 feet

Soil Vapor Extraction Equipment		
Item	**Description and dimensions**	**Quantity**
Vacuum pump	7 1/2 HP, 20/10 Amp, Marathon Electric, 230/460 Volt	1
Vacuum breaker valve	Hayward, Schedule 80 PVC, 3 1/2 " Dia.	1
Air/water separator	55 gallon drum	1
Flow regulating valve	1 1/2" PVC, Schedule 80	1
Manifold	1 1/2" PVC pipe	1
Ball valves	Schedule 80 PVC	4
Sampling ports	Schedule 80 PVC	4
11/2" I.D. vacuum hose		500 feet
2" I.D. well casing	Schedule 80 PVC	4 @ 60 feet

FIGURES



N

W-E

S

SCALE: 1" - 2,000'

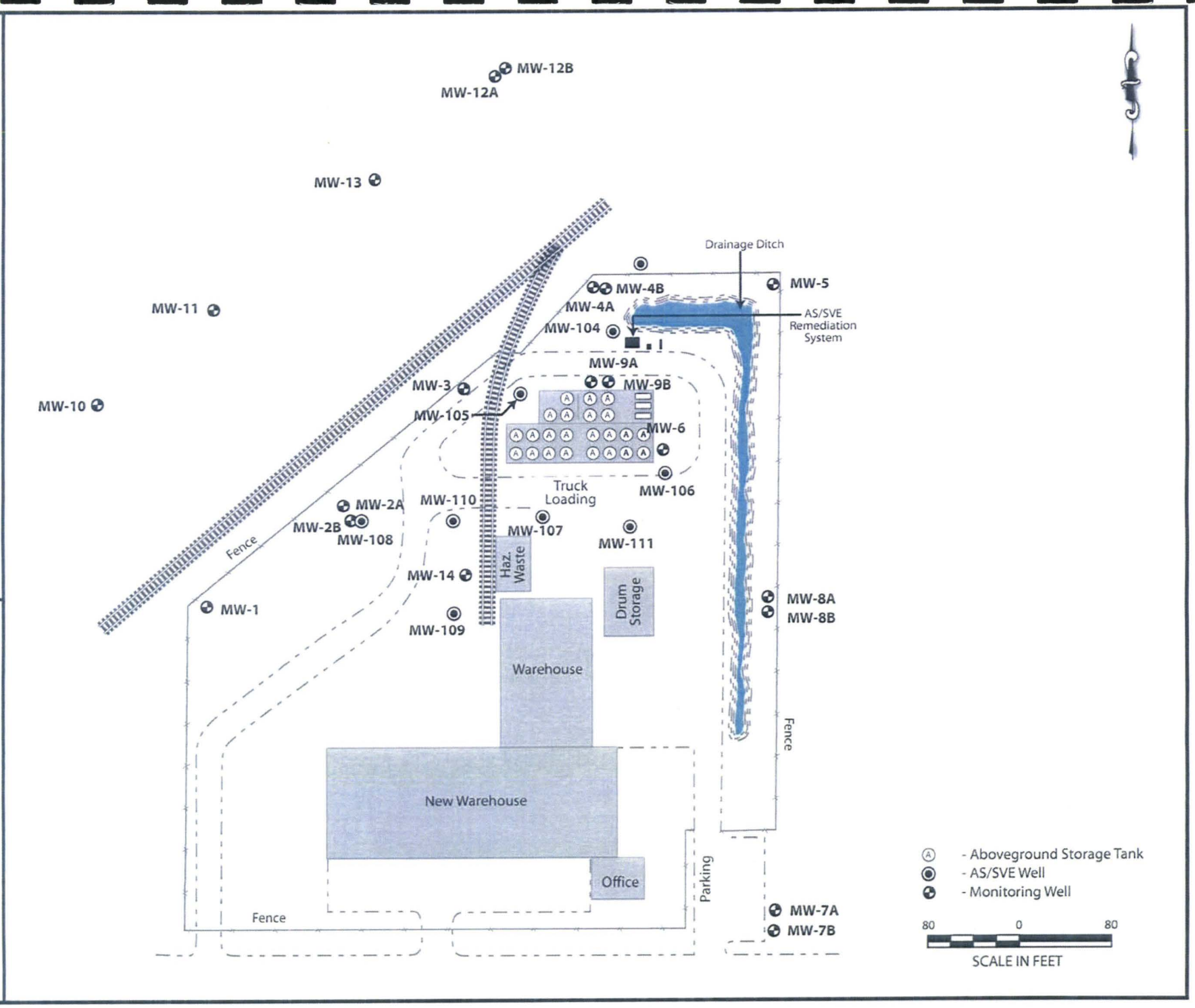
M:\Kansas City, KS\Fig1_Site-Location.dwg

URS

FIGURE 1
SITE LOCATION MAP

ASHLAND KANSAS CITY DSO
KANSAS CITY, KANSAS

DRAWN BY: MDO	DATE DRAWN: 11/02/2007
REVIEWED BY: KS	DATE REVIEWED:
SCALE: 1" = 200'	PLOT DATE:
PROJECT NO.: 37680077	
REVISED BY:	REV. DATE:
REVISED BY:	REV. DATE:



CLIENT: Ashland

PROJECT: Kansas City, Kansas

DATE: January 2009

DESIGNED BY:

SCALE: As Shown

DRAWN BY: J. Anderson

FILE: H:\proj\Ashland\KansasCityDSO\June2007\Figure 1 MW Locat

CHECKED BY: K. Sansone

URS

TITLE: Monitoring Well Locations

PROJ. NO.: 37680149

TASK: 09400

FIGURE: 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

04 MAR 2009

Mr. Michael Dever
Remediation Project Manager
Ashland Distribution Company, Inc.
5200 Blazer Parkway
Dublin, Ohio 43017

RE: Well Abandonment/Remediation System Closure Work Plan
Ashland Distribution Kansas City Facility, 5420 Speaker Road, Kansas City Kansas

Dear Mr. Dever:

The Environmental Protection Agency (EPA) has completed review of the document titled "Well Abandonment/Remediation System Closure Work Plan for the Ashland Inc., Kansas City, Kansas Facility, EPA I.D. No. KSD057889313" dated January 2009. EPA has determined that this work plan satisfies the requirements for removal of the groundwater monitoring and treatment systems now in place at the Ashland facility as specified in the January 6, 2009, Final Decision letter from EPA.

Upon completion of removal activities, please submit to EPA copies of the field logbook and well abandonment forms (WWC-5) along with the Certification of Completion Report.

If you have any additional comments and/or questions, please contact me at (913) 551-7652.

Sincerely,

Harry V. Gabbert
Project Manager
RCRA Corrective Action and Permits Branch
Air and Waste Management Division

cc: Mostafa Kamal, KDHE
Kristan Sansone, URS

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-101

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096621 (in decimal degrees)
Longitude: -94.70394 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 60.4 ft.

WELL'S STATIC WATER LEVE 36.98 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 60.4 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	60.4'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jason Bisnell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-102

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096592 (in decimal degrees)
Longitude: -94.703951 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.3 ft.

WELL'S STATIC WATER LEVE 37.63 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.3 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.3'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-103

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096558 (in decimal degrees)
Longitude: -94.703956 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.8 ft.

WELL'S STATIC WATER LEVE 38.10 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.8 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.8'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bismell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-104

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096517 (in decimal degrees)
Longitude: -94.703951 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.3 ft.

WELL'S STATIC WATER LEVE 39.71 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.2
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.3 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.3'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 665. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-105

1 LOCATION OF WATER WELL: County: Johnson

Fraction	Section Number	Township Number	Range Number
¼ ¼ ¼ ¼		T S	☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096354 (in decimal degrees)
Longitude: -94.704208 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N / NW / NE / W / E / SW / SE / S

4 DEPTH OF WELL 60 ft.

WELL'S STATIC WATER LEVE 39.81 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 60 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	60'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jay Bisnell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-106

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096188 (in decimal degrees)
Longitude: -94.703790 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 58.7 ft.

WELL'S STATIC WATER LEVE 37.2 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 2.2'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 58.7 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	58.7'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-107

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096038 (in decimal degrees)
Longitude: -94.704219 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 59.2 ft.

WELL'S STATIC WATER LEVE 40.03 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 1.57'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 59.2 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____

Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	59.2'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jeremy Bischoff

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-108

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096054 (in decimal degrees)
Longitude: -94.704729 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 70 ft.

WELL'S STATIC WATER LEVE 37.34 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.65'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 70 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	70'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bigwood

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-109

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095884 (in decimal degrees)
Longitude: -94.704391 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.

WELL'S STATIC WATER LEVE 40.35 ft

WELL WAS USED AS:

☐ Domestic ☐ Irrigation ☐ Feedlot ☐ Industrial
☐ Public Water Supply ☐ Oil Field Water Supply ☐ Domestic (Lawn & Garden) ☐ Air Conditioning
☐ Dewatering ☑ Monitoring ☐ Injection Well ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☑ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos-Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other (Specify below) ____

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3.9'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool
☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens
☐ Fuel Storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well
☐ Other (specify below) ____
Direction from well? ____
How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Phillip Environmental by (signature) Jerry Bigwell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD **Form WWC-5P** **KSA 82a-1212** **ID NO.** MW-110

1 LOCATION OF WATER WELL: County: Johnson	Fraction ¼ ¼ ¼ ¼	Section Number	Township Number T S	Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096021 (in decimal degrees)
Longitude: -94.704396 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.
WELL'S STATIC WATER LEVE 39.31 ft
WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) Jerry Bissell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD **Form WWC-5P** **KSA 82a-1212** **ID NO.** MW-111

1 LOCATION OF WATER WELL: County: Johnson	Fraction ¼ ¼ ¼ ¼	Section Number	Township Number T S	Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.096654 (in decimal degrees)
Longitude: -94.703817 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: _____
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 68 ft.

WELL'S STATIC WATER LEVE 39.15 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other _____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 4.75'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other _____

Grout Plug Intervals: From 3 ft. to 68 ft., From _____ ft. to _____ ft., From _____ to _____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? _____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	68'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) John Bisnell

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy

WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO. MW-112

1 LOCATION OF WATER WELL: County: Johnson | Fraction ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number ☐ E ☐ W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☑

Global Positioning Systems (GPS) information:
Latitude: 39.095946 (in decimal degrees)
Longitude: -94.704772 (in decimal degrees)
Elevation: N/A
Datum: ☑ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: ____)
☑ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☑ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Ashland Chemical Co.
RR#, St. Address, Box #: 5420 Speaker Road
City, State ZIP Code: Kansas City, KS 66106

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N
NW NE
W E
SW SE
S

4 DEPTH OF WELL 69 ft.

WELL'S STATIC WATER LEVE 40.11 ft

WELL WAS USED AS:

☐ Domestic ☐ Public Water Supply ☐ Dewatering
☐ Irrigation ☐ Oil Field Water Supply ☑ Monitoring
☐ Feedlot ☐ Domestic (Lawn & Garden) ☐ Injection Well
☐ Industrial ☐ Air Conditioning ☐ Other ____

Was a chemical/bacteriological sample submitted to Department? Yes ☑ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other (Specify below)
☑ PVC ☐ ABS ☐ Asbestos-Cement ☐ Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes ☑ No ☐ If yes, how much 3'
Casing height above or (below) land surface 36 in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ____

Grout Plug Intervals: From 3 ft. to 69 ft., From ____ ft. to ____ ft., From ____ to ____ ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Seepage pit ☐ Fuel Storage ☐ Other (specify below)
☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage
☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage
☐ Lateral lines ☐ Feedyard ☐ Abandoned water well Direction from well? ____
☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well How many feet? ____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3'	Soil, compacted			
3'	69'	Bentonite chips			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 5-6-2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 655. This Water Well Record was completed on (mo/day/year) 6-1-2009 under the business name of PSC Industrial Outsourcing, LP formerly Philip Environmental by (signature) [signature]

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

Check one: ☐ White Copy ☐ Blue Copy ☐ Pink Copy