Attachment 6

Phase 1 Environmental Review

January, 2016



ALASKA
CALIFORNIA
COLORADO
FLORIDA
MISSOURI
OREGON
WASHINGTON
WISCONSIN

February 5, 2016

Mr. Greg Beavers City of Farmington 110 West Columbia Farmington, Missouri 63640

RE: PHASE I ENVIRONMENTAL SITE ASSESSMENT LOT A-1 AND LOT A-2 AIR PARK DRIVE FARMINGTON, MISSOURI

Dear Mr. Beavers:

Attached is Shannon & Wilson's report summarizing the results of the Phase I Environmental Site Assessment completed for the above-referenced site. The report documents our understanding of the project; describes our site activities; and provides our conclusions relative to the presence of recognized environmental conditions at the site, as defined by the American Society for Testing and Materials (ASTM) publication E1527-13.

The services we provided are as outlined in our proposal dated January 11, 2016. You authorized these services by signing and returning the proposal for environmental services on January 13, 2016.

We appreciate this opportunity to assist you on this project and look forward to working with you again. If you have any questions concerning this submittal, please contact our office.

Sincerely,

Enc:

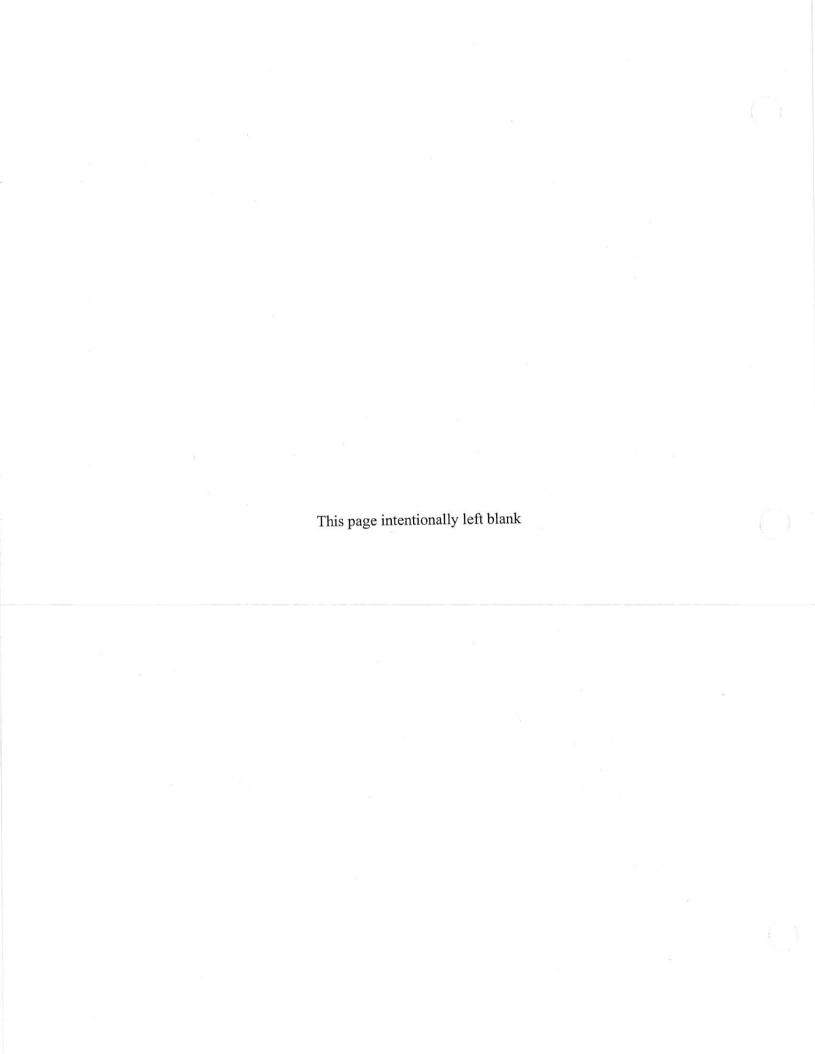
SHANNON & WILSON, INC.

Russell W Schwab. Senior Associate

Phase I Environmental Site Assessment, Lot A-1 and Lot A-2, Air Park Drive,

Farmington, Missouri

MAW:RWS/tad



PHASE I ENVIRONMENTAL SITE ASSESSMENT LOT A-1 AND LOT A-2 AIR PARK DRIVE FARMINGTON, MISSOURI

February 5, 2016

Submitted to: Mr. Greg Beavers City of Farmington 110 West Columbia Farmington, Missouri 63640

By: Shannon & Wilson, Inc. 2043 Westport Center Drive St. Louis, Missouri 63146

41-1-37669-001

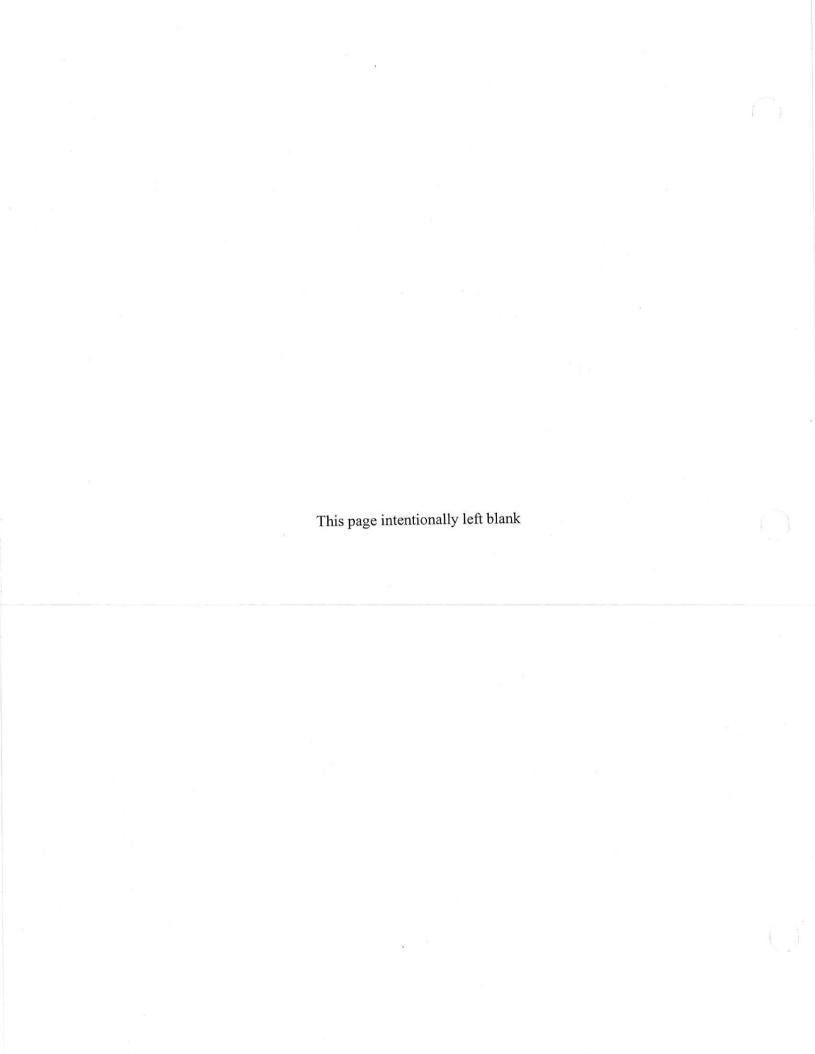


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EXECUTIVE SUMMARY

This report documents the results of Shannon & Wilson's Phase I Environmental Site Assessment at Lot A-1 and Lot A-2 on Air Park Drive in Farmington, Missouri (the Property). A Project Location Map is included as Figure 1, and a Site Limits Map is included as Figure 2.

Recognized Environmental Conditions

Based upon the information obtained in connection with this Phase I ESA, no *recognized* environmental conditions were identified at the Property.

ACRONYMS AND ABBREVIATIONS

AAI All Appropriate Inquiry

AST Aboveground Storage Tank

ASTM ASTM International

AUL Activity and Use Limitation

CERCLIS Comprehensive Environmental Response Compensation

and Liability Information System

COC Chemicals of Concern

CORRACTS TSD Facilities Subject to Corrective Action

EPA Environmental Protection Agency (federal)

ERNS Emergency Response Notification System

ESA Environmental Site Assessment

FUDS Formerly Used Defense Sites

LUST Leaking Underground Storage Tank

MDNR Missouri Department of Natural Resources

MEERTS Missouri Environmental Emergency Response Tracking

System

NFA No Further Action

NONCORRACTS TSD Facilities Not Subject to Corrective Action

NPL National Priorities List

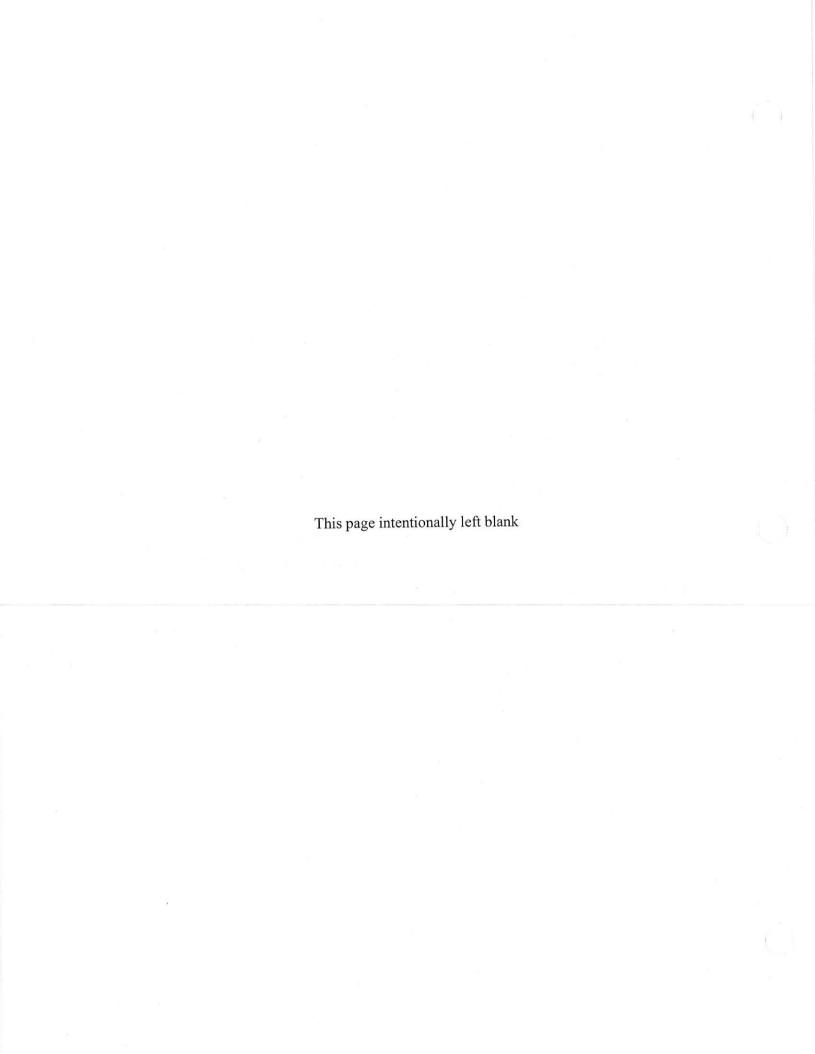
PCB Polychlorinated Biphenyls

REC Recognized Environmental Condition

RCRA Resource Conservation and Recovery Act

USGS United States Geological Survey

UST Underground Storage Tank



PHASE I ENVIRONMENTAL SITE ASSESSMENT

1.0 INTRODUCTION

This report documents the results of Shannon & Wilson's Phase I Environmental Site Assessment (ESA) at Lot A-1 and Lot A-2 on Air Park Drive in Farmington, Missouri (the Property).

1.1 Purpose

The purpose of this Phase I ESA was to identify, to the extent feasible pursuant to the process described in the ASTM Practice E 1527-13 (Phase I ASTM Standard) *recognized environmental conditions* associated with the Property.

The term recognized environmental conditions (RECs) means:

"The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

The United States Environmental Protection Agency (EPA) has determined that the Phase I ASTM Standard is consistent with and meets the requirements for performing All Appropriate Inquiry (AAI) and may be used to comply with Federal AAI regulations at 40 CFR Part 312. Unless specifically requested by the Client in the Phase I Request Form, Shannon & Wilson identified no additional inquiry requirements that potentially qualify for similar landowner liability protection under state law.

1.2 Scope of Services

The Phase I ESA was prepared for the City of Farmington (Client). This work was performed in general accordance with Shannon & Wilson's proposal for environmental services dated January 11, 2016. A copy of the proposal is included in Appendix A. Authorization to proceed with the Phase I ESA was received from Mr. Greg Beavers on January 13, 2016, in the form of a signed proposal. An All Appropriate Inquiry Client Checklist/Questionnaire completed by Mr. Beavers is included as Appendix B.

The scope of a Phase I ESA under the Phase I ASTM Standard includes no evaluation of all environmental considerations that may be relevant to a particular transaction, such as testing for radon, lead-based paint, mold and asbestos or evaluation of indoor air quality, potential wetlands,

regulatory compliance and health/safety matters. A Phase I ESA also includes no sampling or testing of air, soil, water or building materials. The Client requested none of these non-scope items to be evaluated as part of this Phase I ESA.

1.3 Significant Assumptions

Information collected for this Phase I ESA was collected from numerous sources, including interviews with government agencies and others. The sources are identified in the body of this report and/or listed in the references section. The information obtained from these sources, to the extent relied upon in forming the conclusions described in this report, is assumed to be accurate and complete. Persons who were interviewed are assumed to have answered all questions in good faith, accurately and to the extent of their knowledge.

1.4 Limitations, Exceptions and Data Gaps

As discussed in the Phase I ASTM Standard, performance of a Phase I ESA, even in compliance with the Phase I ASTM Standard, cannot eliminate uncertainty regarding the potential for hazardous substances or petroleum to exist at a property.

The use of this Phase I ESA is strictly limited to the scope set forth in the Proposal completed by the Client. Certain environmental conditions may be present at a property that are beyond the scope of this Phase I ESA, but may still warrant consideration by parties to a commercial real estate transaction.

Per the Phase I ASTM Standard, a Phase I ESA is presumed to be valid if completed less than 180 days prior to the date the property is acquired or, for transactions not involving an acquisition, the date of the intended transaction. If within this 180-day period the Phase I ESA is used by someone other than the Client, the subsequent user must also satisfy the User's Responsibilities set forth in Section 6 of the Phase I ASTM Standard. Certain portions of the Phase I ESA are valid for a period of up to one year; however several components must be updated by an environmental professional within 180 days of the purchase or the date of the intended transaction.

The findings, opinions and recommendations contained in this report are based on information provided from the observed site conditions, personal interviews, and other sources identified herein. The data presented in this report should be considered representative of the time of Shannon & Wilson's site assessment. Changes due to natural processes or human activity could have occurred after the date of the site reconnaissance and interviews but before the issuance of

this report. In addition, changes in government codes, regulations, or laws may occur in the future which could alter the opinions formed at the time of this assessment.

The following list identifies the deviations and exceptions from the standard requirements of the Phase I ASTM Standard and any data gaps encountered in performing the Phase I ESA despite the good faith efforts to gather such information. Accordingly, none of these exceptions resulted in significant data gaps that affected Shannon & Wilson's ability to identify RECs associated with the subject property.

The following list contains the exceptions/deviations and data gaps encountered during this ESA:

The Phase I ASTM Standard requires identification of the obvious uses of the property since 1940 or first development, whichever occurred first. Information reviewed for this Phase I ESA, identified the historical use of the Property beginning at approximately 1962, when the Property appeared to have been used for agricultural purposes. Earlier records regarding the site prior to agricultural use were not reasonably ascertainable as defined in the Phase I ASTM Standard. This is considered a Data Failure as defined in Section 8.3.2.3.

1.5 Special Terms and Conditions

None were applicable to this ESA.

1.6 User Reliance

The Phase I ASTM Standard defines "User" as the party seeking to use the standard to complete an environmental site assessment of the property and may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender or a property manager. The information and opinions in this report are exclusively for the use of and reliance by the Client and its respective affiliates, representatives and agents. Reliance on this Phase I ESA by all authorized persons or entities is subject to the terms and conditions set forth in the Proposal. No other persons or entities are entitled to rely on this report without prior written approval from Shannon & Wilson, Inc., which consent may be conditioned upon, among other things, payment of a fee. In any event, such third party's reliance would be limited to the same extent of Client's reliance, and subject to the same contractual, technological and other limitations to which the Client has agreed.

Parties specifically authorized to rely on this report include:

City of Farmington
 West Columbia
 Farmington, Missouri 63640

This Phase I ESA is valid for a period of 180 days. Its use after 180 days is subject to the limitations and requirements in the Phase I ASTM Standard, including but not limited to, Section 4.7. The services provided by Shannon & Wilson were performed consistent with the standards of the profession and Shannon & Wilson provides no warranty of any kind, whether expressed or implied.

2.0 SITE DESCRIPTION

2.1 Location

The Property is located at Lot A-1 and Lot A-2 on Air Park Drive in Farmington, Missouri. A Project Location Map showing the Property and surrounding area is included as Figure 1. Figure 2 is a Site Limits Map depicting the current site features of the Property and adjacent parcels.

2.2 Site and Vicinity Characteristics

The Property consists of 22.26 acres located south New Perrine Road and west of Air Park Drive, which at the time of the inspection consisted of vacant fields and wooded portions. The Property is located in a light industrial/commercial area. The southern portion of the Property had a general surface drainage to the south, while the northern portion of the Property drained to the west and north towards an unnamed tributary of the Saint Francis River.

2.3 Current Use of the Property

The Property is currently vacant and consists of three fields separated by two wooded areas.

2.4 Description of Improvements on the Property

The Property has been undeveloped but used for agriculture as early as 1962. Based on aerial photographs and an interview with the Property owner/representative, no improvements were made on the Property.

2.5 Past Use of the Property

Based on aerial photographs and interviews, the Property appeared to have been used for agricultural purposes since 1962.

2.6 Past and Current Use of Adjoining Property

Based on aerial photographs, the adjoining properties were used for agricultural purposes as early as 1962. The adjoining properties to the north, east, and southeast were developed for light industrial and commercial businesses sometime between 1996 and 2005. Businesses currently occupying adjoining properties include Benee's, Trimfoot Co. LLC, Forte Product Solutions, Innovative Warehousing & Distribution Inc., SEMO Quality Care, and Crown Valley Champagne House. Engler Park was also first observed in the 2005 aerial photograph.

3.0 USER-PROVIDED INFORMATION

The following information was provided by the Client.

The Phase I ASTM Standard Section 6 requires that the User, not the Environmental Professional, review judicial records for evidence of environmental liens and AULs that are imposed by judicial authorities, if such records are applicable. If these records, or documentation of their review, are provided then their review is documented in this Phase I ESA Report and includes the information in the Conclusions and Recommendations. If no information is provided then the conclusions as well as the data gap assessment will provide no associated comments.

3.1 Title Records

The Client provided no title records for the Property; however, a survey map for the Property was provided and reviewed.

3.2 Environmental Liens

An environmental lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation or duty arising out of response actions, cleanups, or other remediation of hazardous substances or petroleum products upon a property, including but not limited to, liens imposed pursuant to CERCLA and similar state law.

The Client provided no results of a search of land title records for environmental liens. The Client indicated that it had no knowledge of an environmental cleanup lien against the Property filed or recorded under federal, tribal, state or local law or in judicial records.

3.3 Activity and Use Limitations (AULs)

As stated in the Phase I ASTM Standard, AULs are one indication of a past or present release of a hazardous substance or petroleum products. AULs may consist of institutional controls (IC),

such as a prohibition on certain use of the property or engineered controls (EC), such as an engineered barrier or cap over contamination. AULs are explicit recognitions by a federal, tribal, state or local regulatory agency that residual levels of hazardous substances or petroleum may be present at the property. If AULs are in place, the User must comply with them to maintain landowner liability protections under CERCLA.

The Client provided no results of a search of land title records for AULs. The Client indicated that it had no knowledge of any other AULs in place, filed or recorded under federal, tribal, state or local law or in judicial records.

3.4 Specialized Knowledge

The Client indicated that the City of Farmington has owned the Property for over 30 years.

3.5 Relationship of Purchase Price to Fair Market Value

The Client indicated no relationship of the purchase price to the fair market value.

3.6 Owner/Occupant and Property Manager Information

Mr. Greg Beavers was identified as the owner's representative of the Property.

3.7 Reason for Performing Phase I ESA

The Client indicated that the purpose for performing this Phase I ESA was for due diligence and an application for certification as an industrial site with the State of Missouri.

3.8 Previous Environmental Site Assessments and Reports

No previous ESAs or environmental site reports were provided by the Client for the subject Property.

4.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records concerning the Property and properties in the vicinity that will help identify RECs in connection with the Property. Availability of record information varies from information source to information source, including governmental agencies. Unless otherwise noted in Section 1.4, the standard historical sources were reviewed along with standard federal and state environmental record sources and physical setting sources required by the Phase I ASTM Standard. In addition, certain additional

environmental record sources were reviewed to supplement the standard environmental sources when such records were reasonably ascertainable and determined to be potentially useful.

4.1 Historical Use Information

The objective of consulting historical sources is to develop a history of previous uses at the Property and surrounding area to help identify the likelihood of past uses having led to RECs in connection with the Property. The following standard historical sources were reviewed that were both reasonably ascertainable and likely to be useful. Historical research documentation summarized below is provided in Appendix E. Note that no Sanborn maps were available within the vicinity of the Property.

4.1.1 Aerial Photographs

Aerial photographs provided by Environmental Data Resource, Inc. were reviewed for the Property for the years 1962, 1974, 1978, 1980, 1984, 1990, 1996, 2005, 2006, 2007, 2009, 2010, and 2012 (scale 1" = 500', 750', and 1000').

The 1962 photograph showed the Property and adjoining properties were used for agricultural purposes. Wooded areas on the Property were similar to the current conditions, and appeared to be associated with individual plots of land or property limits.

No significant changes to the Property or adjoining properties were observed on the 1956 through 1996 photographs.

In the 2005 photograph, the Property and adjoining properties appeared to be similar to the current conditions, including industrial and commercial buildings to the north, east, and southeast of the Property. However, the building at 1351 Air Park Drive, occupied by SEMO Quality Care during the January 29, 2016 site visit, was not present in the 2005 photograph.

No significant changes to the Property or adjoining properties were observed in the 2006 through 2012 photographs with the exception of the construction of the building at 1351 Air Park Drive sometime between 2009 and 2010.

No RECs for the Property were observed on the aerial photographs reviewed.

4.1.2 USGS Topographical Maps

Historical USGS Farmington and Wachita Mountain, MO 7.5 Minute Series (scale = 1:62,500, and scale = 1:24,000) topographical maps provided by Environmental Data Resource, Inc. for the years 1906, 1964, 1980, 1982, and 2015 were reviewed for the Property.

The topographical maps indicated that the ground elevation was approximately 860 to 870 feet above sea level. The southern portion of the Property generally sloped to the south, while the northern portion of the Property drained to the west-northwest towards an unnamed tributary of the Saint Francis River.

In summary, the topographic maps showed no structures at the Property or adjoining properties. New Perrine Road and Air Park Drive were only present on the 2015 map. No other significant changes to the Property or adjoining properties were observed on the topographical maps.

No RECs were observed on the topographical maps reviewed.

4.1.3 Historical Street Directories

Historical street directories provided by Environmental Data Resource, Inc. were reviewed for the Property and adjoining properties for the years 1999, 2003, 2008, and 2013. The property addresses listed in the historical street directories are summarized below:

- 1601 Air Park Drive Listed as Oak Medical Industries LLC in 2003: Forte Product Solutions Inc. in 2008; and Molding Company and Show Me On Line South in 2013.
- 1602 Air Park Drive Listed as Bennee's Toys from 1999 through 2013.
- 1611 Air Park Drive Listed as Molding Co. in 2003; Molding Co. Inc. and Trimfoot Co. in 2008; and Midwest Embroidery Thread and Trimfoot Co. in 2013.
- 1690 Air Park Drive Listed as Carry Sports, Home Embroidery Supplies, and Midwest Embroidery Threads Inc. in 2003; and Carry Sports and Midwest Embroidery Threads Inc. in 2008.

No RECs were observed in the historical street directories reviewed.

4.2 Physical Setting

Site conditions noted during the visit on January 29, 2016 include the following:

- The Property consists of 22.26 acres located south New Perrine Road and west of Air Park Drive, which consisted of vacant fields and of wooded portions. The Property is located in a light industrial/commercial area.
- The southern portion of the Property had a general surface drainage to the south, while the northern portion of the Property drained to the west and north towards an unnamed tributary of the Saint Francis River.
- The groundwater flow direction was estimated to be to the south for the southern portion of the Property, and to the west-northwest for the northern portion of the Property, in the general flow of the surrounding topography.

4.3 Regulatory Database Search

Standard federal and state environmental records were researched consistent with the approximate minimum search distance described in Section 8.2.1 of the Phase I ASTM Standard for pertinent information regarding the environmental condition at the Property, adjacent parcels and properties in the vicinity. These records were searched electronically through EDR. A copy of this report is included as Appendix D. In addition to the standard environmental record sources, additional sources were contacted or reviewed in an effort to determine whether any other information was available for identification of RECs in connection with the Property.

4.3.1 Standard Federal Records Sources

4.3.1.1 Superfund Sites (including National Priorities List (NPL) Sites, Delisted NPL Sites, CERCLIS Sites, and CERCLIS No-Further-Remedial-Action-Plan Sites)

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.1.2 RCRA Facilities (including CORRACTS, Non-CORRACTS TSD Facilities, and RCRA Generators)

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.1.3 Institutional Control / Engineering Control Registries

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.1.4 Emergency Response Notification System (ERNS)

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.1.5 Summary of Federal Records

In summary, none of the items listed in the federal databases discussed above constituted an REC in connection with the Property.

4.3.2 Standard State Records

The following standard state lists were reviewed for this Phase I ESA:

4.3.2.1 Hazardous Waste Site Lists for Investigation/Remediation, NPL-Equivalent Lists, CERCLIS-Equivalent Lists, and Landfill and/or Solid Waste Disposal Sites Lists

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.2 Registered Storage Tank Sites

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.3 Leaking Storage Tank Sites

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.4 Institutional Control / Environmental Control Registries

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.5 Local Lists of Landfill / Solid Waste Disposal Sites

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.6 Voluntary Cleanup Sites

No sites were identified within the ASTM-prescribed radii for these databases.

Brownfield Sites 4.3.2.7

No sites were identified within the ASTM-prescribed radii for these databases.

Local Lists of Hazardous Waste / Contaminated Sites 4.3.2.8

No sites were identified within the ASTM-prescribed radii for these databases.

Other Ascertainable Records 4.3.2.9

No sites were identified within the ASTM-prescribed radii for these databases.

4.3.2.10 Summary of State Records

In summary, none of the items listed in the state databases discussed above constituted an REC in connection with the Property.

Orphan/Unmapped Sites 4.3.3

No orphan/unmapped sites were listed in the EDR search.

Additional Sources 4.4

4.4.1 Fire Department

Shannon & Wilson personnel contacted Fire Chief Todd Mecey of the Farmington Fire Department on February 3, 2016. Chief Mecey indicated the Department had no records of any emergency responses, spills, or fires associated with the Property. Chief McGuire indicated he was unaware of environmental concerns associated with the Property and could not recall any emergency response, spills, or fire associated with the Property during his 25 year tenure with the Department.

Missouri Department of Natural Resources

A search was performed on January 27, 2016 of MDNR's MEERTS online database for the Property and adjacent properties. No records of EER reports were listed for the Property or adjacent properties.

4.4.3 Summary of Additional Sources Reviewed

In summary, none of the items identified in the additional sources discussed above constituted an REC in connection with the Property.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the Property. A Shannon & Wilson representative assessed the Property and surrounding area on January 29, 2016. The inspection was performed to visually observe the Property for evidence of confirmed and potential impacts of hazardous substances or petroleum resulting from historical or current use of the Property. Photographs taken during the site reconnaissance are included in Appendix C.

The site visit consisted of (1) observation of the periphery of the Property, and (2) observation of the Property from adjacent public thoroughfares.

5.2 Site Observations

5.2.1 Current Use

The Property is currently vacant and consists of three fields separated by two wooded areas.

5.2.2 Interior of Buildings

No buildings were observed on the Property.

5.2.3 Pits, Ponds, Lagoons

No pits, ponds, or lagoons were observed at the Property.

5.2.4 Septic Systems

No septic systems were observed at the Property.

5.2.5 Stained Soil or Pavement

No stained soil or pavement was observed at the Property.

5.2.6 Stressed Vegetation

No stressed vegetation was observed at the Property.

5.2.7 Aboveground Storage Tanks

No aboveground storage tanks were observed at the Property.

5.2.8 Underground Storage Tanks

No evidence of underground storage tanks was observed at the Property.

5.2.9 Odors

No odors were noted at the Property.

5.2.10 Pools of Liquid

No pools of liquid were observed at the Property.

5.2.11 Drums or Hazardous Substances / Petroleum Product Containers

No drums or hazardous substances / petroleum product containers were observed at the Property.

5.2.12 Electrical or Hydraulic Equipment with PCBs

No electrical or hydraulic equipment with PCBs were observed on the Property.

5.3 Adjoining and Surrounding Properties Evaluation

5.3.1 Properties to the East

The Property was bounded to the east by Air Park Drive. Light industrial and commercial properties located on Air Park Drive to the east of the Property included Innovative Warehousing & Distribution Inc., SEMO Quality Care, and Crown Valley Champagne House. The properties to the east were generally downgradient and cross-gradient from the Property. No properties to the east were considered as causes for RECs at the Property.

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5.3.2 Properties to the North

The Property was bounded to the north by New Perrine Road. Further north was an unnamed tributary of the Saint Francis River. Industrial properties were located to the north of the unnamed tributary, which included Benee's, Forte Product Solutions, and Trimfoot Co., LLC. The properties to the north were generally cross-gradient from the Property. No properties to the north were considered as causes for RECs at the Property.

5.3.3 Properties to the West

The adjoining properties to the west of the Property were undeveloped and generally wooded. Stanley M. Overall, Jr. Memorial Bike Trail was located to the west of the Property. The properties to the west were generally down-gradient from the Property. No properties to the west were considered as causes for REC for the Property.

5.3.4 Properties to the South

The adjoining properties to the south of the Property were undeveloped and generally wooded. Engler Park was located further south. The properties to the south were generally downgradient from the Property. No properties to the south were considered as causes for RECs at the Property.

6.0 INTERVIEWS

An interview with the site contact was conducted by Mark Wieners of the Shannon & Wilson staff.

6.1 Interview with the Property Owner/Representative

On January 27, 2016, Mr. Mark Wieners interviewed the owner/representative of the Property, Mr. Greg Beavers. Mr. Beavers indicated that the City of Farmington has owned the Property since 1981. Prior to 1981, the Property was owned by the State of Missouri. Mr. Beavers indicated that the State of Missouri used the Property as part of a dairy farm operation for patients of the Mental Health Hospital. According to Mr. Beavers, the Property was used for agricultural purposes including cattle grazing as part of the aforementioned dairy farm operation.

Mr. Beavers indicated that he was unaware of any environmental concerns associated with the Property or adjoining properties. He was unaware of storage of hazardous substances or

petroleum products on the Property. Mr. Beavers had no knowledge of aboveground or underground storage tanks being located at the Property.

7.0 FINDINGS AND OPINIONS

7.1 Recognized Environmental Conditions

Based upon the information obtained in connection with this Phase I ESA, Shannon & Wilson's opinion is that no *recognized environmental conditions* were associated with the Property.

7.2 Historical Recognized Environmental Conditions

A Historical REC is an environmental condition that may have constituted a REC in the past, but has been closed by a regulatory agency or otherwise is no longer considered to pose a material threat. This assessment identified no evidence of historical *recognized environmental conditions* in connection with the Property.

7.3 Controlled Recognized Environmental Conditions

A Controlled REC is an environmental condition that may have constituted a REC in the past, but has been closed by a regulatory agency with hazardous substances or petroleum materials allowed to remain in place subject to implementation of required controls. This assessment identified no evidence of controlled *recognized environmental conditions* in connection with the Property.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Shannon & Wilson performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the Phase I ASTM Standards at Lot A-1 and Lot A-2 on Air Park Drive in Farmington, Missouri. Any exceptions to, or deletions from, the Phase I ASTM Standard are described in Section 1.4 of this report. Data gaps, if any, are also described in Section 1.4 of this report. This assessment identified no evidence of recognized environmental conditions in connection with the Property.

9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

This Phase I Environmental Site Assessment was prepared by Mr. Russell Schwab, a Registered Geologist since 1996. Mr. Schwab, Senior Associate, received a B.S. in Geophysics and an A.S. in Computer Science from Purdue University in 1988, and a M.S. in Environmental Management from Webster University in 2001. He has completed over 100 ESAs in his 25-year tenure with Shannon & Wilson.

Mr. Mark Wieners also assisted in the data-gathering portion of this ESA. He received a B.S. in Geology and a B.A. in Environmental Science from Saint Louis University in 2004. He has worked on more than 50 ESAs during his tenure with Shannon & Wilson.

These individuals have the specific qualifications based on education, training, and experience to perform this ESA. They have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes of the above Environmental Professionals are included in Appendix F.

10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

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SHANNON & WILSON, INC.

Rusself W. Schwab Senior Associate

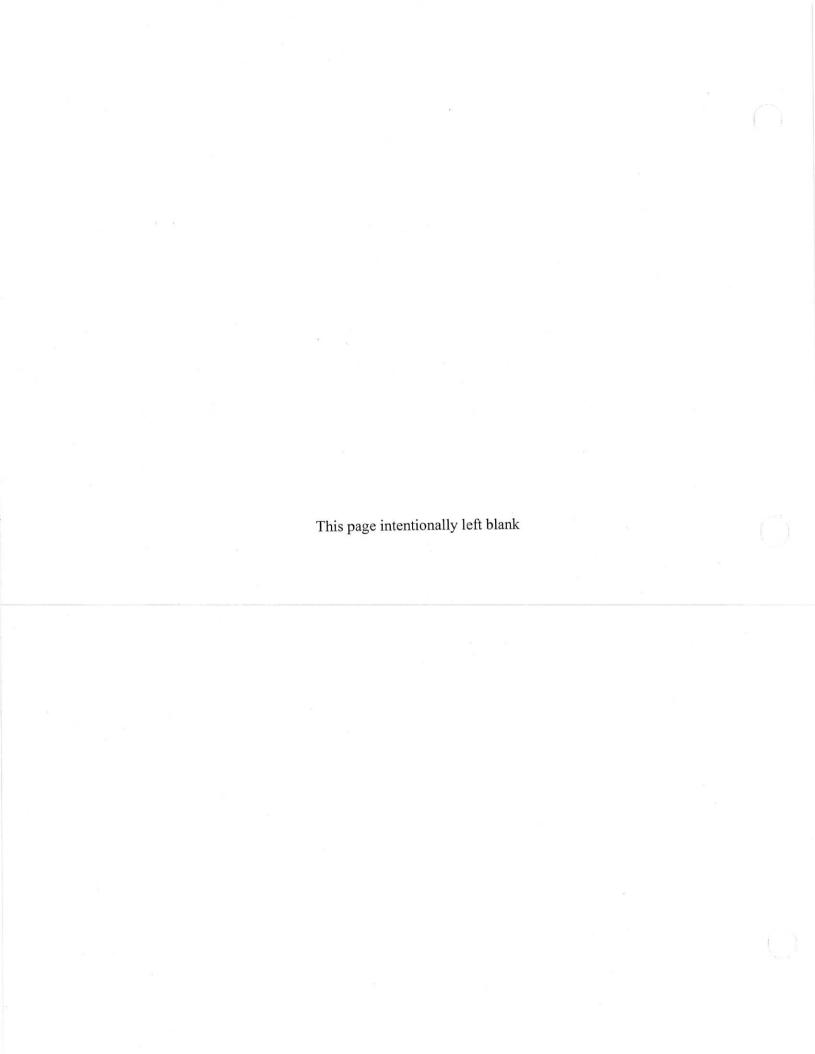
MAW:RWS/tad

11.0 REFERENCES

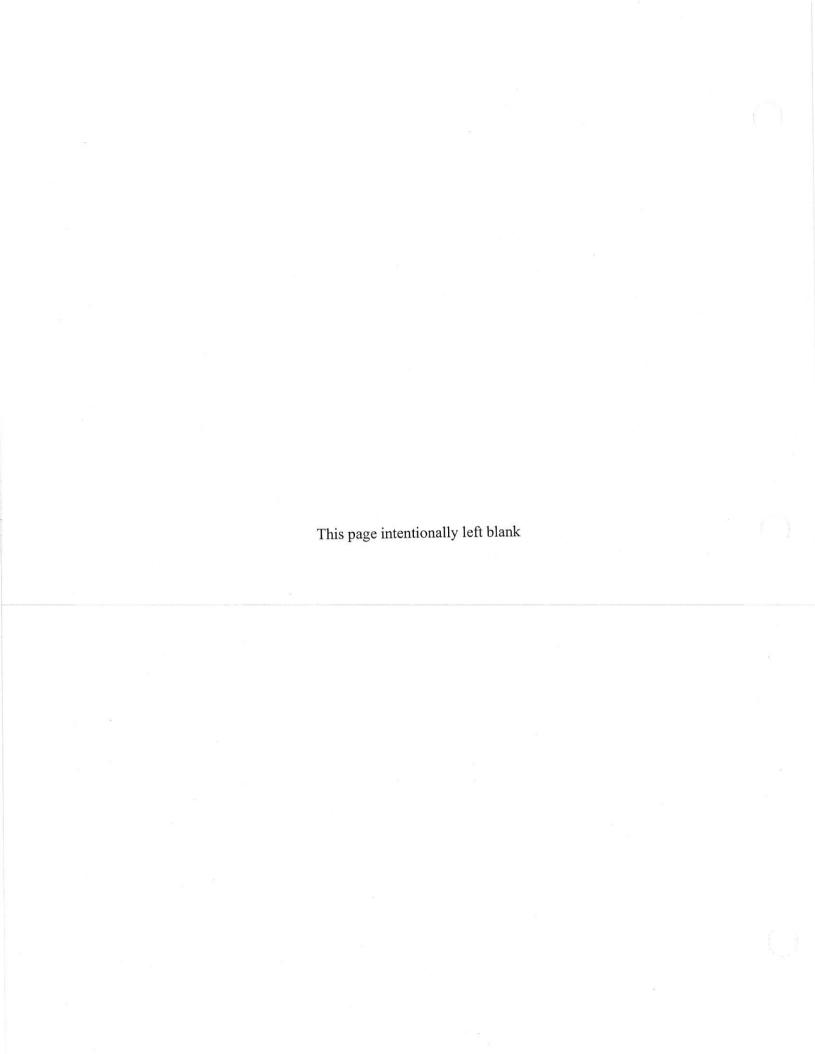
- Environmental Data Resources, Inc. January 20, 2016. The EDR-City Directory Image Report, Lot A-1 and Lot A-2, Airpark Dr., Farmington, MO 66940.
- Environmental Data Resources, Inc. January 15, 2016. EDR Historical Topographic Map Report, Lot A-1 and Lot A-2, Airpark Dr., Farmington, MO 66940.
- Environmental Data Resources, Inc. January 18, 2016. The EDR Radius Map Report with Geocheck, Lot A-1 and Lot A-2, Airpark Dr., Farmington, MO 66940.
- Environmental Data Resources, Inc. January 15, 2016. Certified Sanborn Map Report, Lot A-1 and Lot A-2, Airpark Dr., Farmington, MO 66940.
- Environmental Data Resources, Inc. January 19, 2016. The EDR Aerial Photo Decade Package, Lot A-1 and Lot A-2, Airpark Dr., Farmington, MO 66940.
- Review of the Missouri Department of Natural Resources' MEERTS Online Database. January 27, 2016.

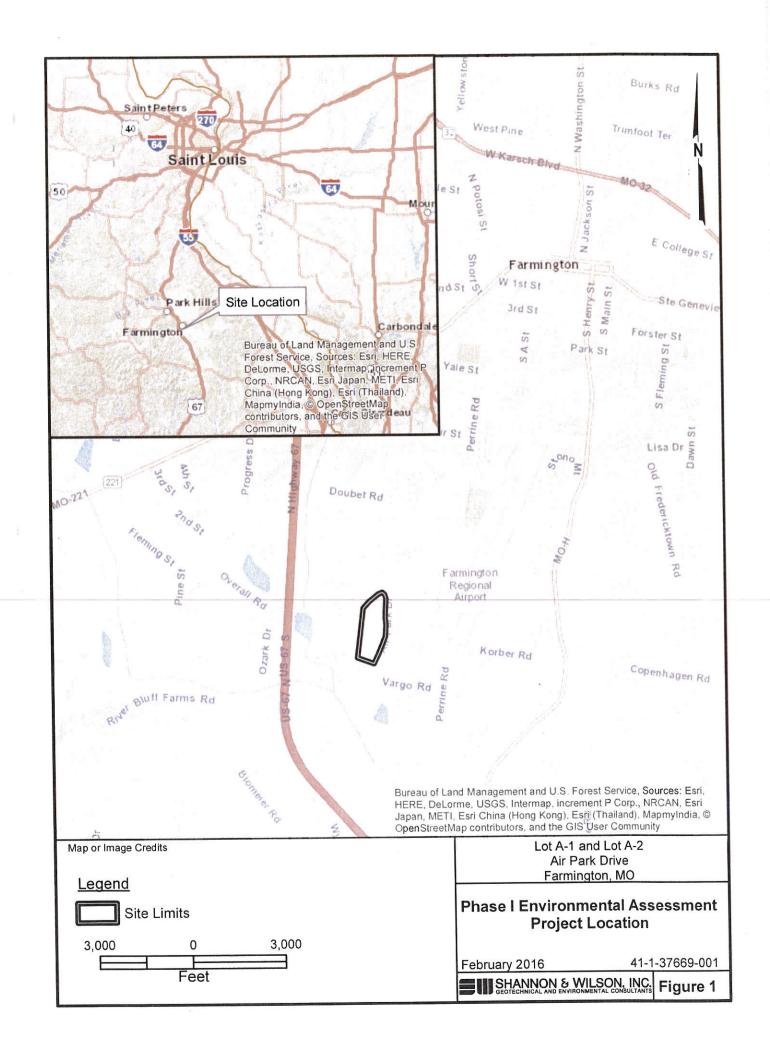
Personal communications:

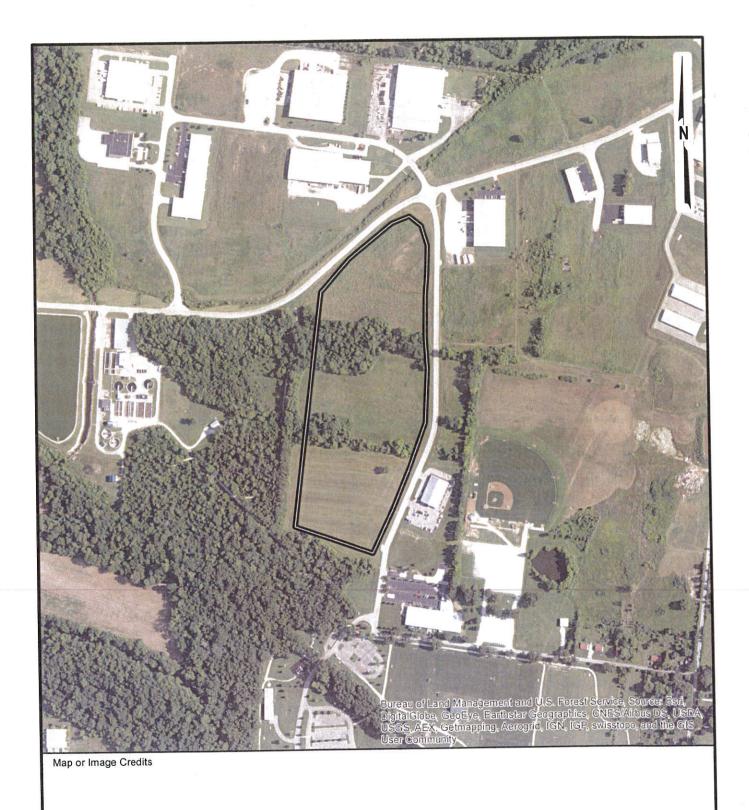
- 1. Mark Wieners with Chief Todd Mecey, Fire Chief for the Farmington Fire Department. February 3, 2016.
- 2. Mark Wieners with Mr. Greg Beavers, Property Owner/Representative. January 27, 2016.

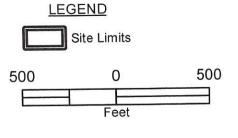


Figures









Lot A-1 and Lot A-2 Air Park Drive Farmington, MO

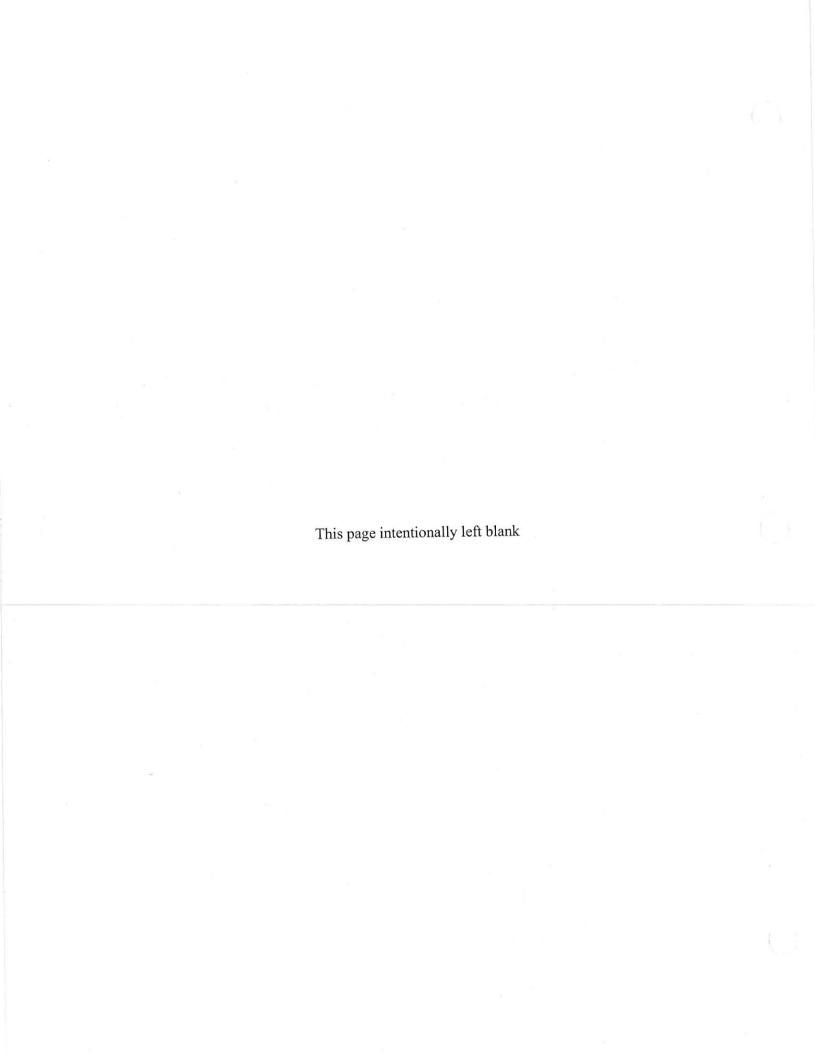
Phase I Environmental Assessment Site Limits

February 2016

41-1-37669-001

SHANNON & WILSON, INC. Figure 2

Appendix A





ALASKA
CALIFORNIA
COLORADO
FLORIDA
MISSOURI
OREGON
WASHINGTON
WISCONSIN

January 11, 2016

Mr. Greg Beavers City of Farmington 110 West Columbia Farmington, Missouri 63640 gbeavers@farmington-mo.gov

RE: PROPOSAL TO CONDUCT A PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR THE PROPERTY AT LOT A-1 AND LOT A-2 ON AIR PARK ROAD FARMINGTON, MISSOURI

Dear Mr. Beavers,

At your request, we are pleased to provide this proposal to conduct a Phase I Environmental Site Assessment (ESA) on the property mentioned above. The purpose of the Phase I ESA will be to identify the presence of recognized environmental conditions, if any, as defined by the American Society for Testing and Materials (ASTM) publication E 1527-13. This assessment will also be completed according to the all-appropriate-inquiry (AAI) requirements contained in 40 CFR 312, published on November 1, 2005.

We understand the property is located in a generally agricultural and commercial area, and is located adjacent west of the Farmington Regional Airport. Based on information provided by you, the property consists of two lots, Lot A-1 and Lot A-2, located south of New Perrine Road and West of Air Park Drive. Each lot consists of 11.13 acres, totaling 22.26 acres for the entire property. Based on our review of aerial photographs, the property appears to be vacant farmland.

SCOPE OF SERVICES

Our approach for this Phase I Environmental Assessment will be to rely on readily available information. The final product will be a report containing our professional opinion as to whether or not recognized environmental conditions exist at the site. The description of services presented below provides our proposed activities and the associated rationale.

City of Farmington Mr. Greg Beavers January 11, 2016 Page 2 of 7

Document Review

We will review all appropriate documents made available to us by the client at the initiation of the assignment.

Aerial Photographs

Aerial photography of the subject site readily available through public or private sources will be reviewed to detect past activities that may indicate the presence of recognized environmental conditions or disturbances to the topography. US Geological Survey maps of local topography and geology will be reviewed for any features observed or noted which may indicate potential environmental problems, such as landfills, etc.

Fire Insurance Maps and Commercial Directories

A review of available fire insurance maps or commercial directories will be made to determine if coverage for the site exists. Any information located will be reviewed to determine if recognized environmental conditions existed on the site or adjacent properties.

Recorder of Deeds

A review of land ownership records will be conducted for the subject property to determine land use and potential site contamination by past owners (individuals and organizations) known by us to have been associated with hazardous waste generation. This review will be based on chain-of-title information since the property was first developed, which will be provided by you. This information can typically be obtained from a title insurance company as a portion of the title insurance activities required in a property transaction.

We will rely on you to supply us with site-specific information as to the relationship of the purchase price to the value of the property (assuming the property was uncontaminated), with a listing of all environmental cleanup liens against the subject property, and with copies of any other environmental investigations to which you may have access to for this site.

Regulatory Database Review

A search of electronically available databases for the site will be reviewed. This material will include the following databases:

City of Farmington Mr. Greg Beavers January 11, 2016 Page 3 of 7

Federal Databases

- ERNS--Emergency Response Notification System-provides information on hazardous waste spills.
- CERCLIS--Comprehensive Environmental Response, Compensation, and Liability Information System--lists actual and suspected hazardous waste disposal sites.
- RCRIS--Resource Conservation and Recovery Information System-identifies hazardous waste generators and treatment/ storage/ disposal facilities--included RCVIOL, CORRACTS, and RCEVAL databases also.
- NPL--National Priorities List--Lists Superfund Sites designated by the USEPA.

State Databases

- RST--provides information on registered underground storage tanks.
- LUST--provides information on leaking underground storage tanks.
- State Superfund --lists actual or suspected hazardous waste disposal sites.
- Landfills--lists known landfills and solid waste disposal sites.

Shannon & Wilson will use this information to identify potential issues of environmental concern and, if necessary, follow-up with the relevant agencies to determine whether or not these issues constitute recognized environmental conditions for the subject site.

Other Agencies

The files of other agencies will be reviewed, if appropriate, to determine the existence of records reflecting environmentally related complaints or incidents, and we will evaluate whether these items constitute a recognized environmental condition for the subject site.

Site Reconnaissance

After examination and evaluation of the available information, visual observation during a site walkover will be performed at the parcel. Note that you will need to arrange for site access prior to start of this task, including access into each of the buildings, if present. We will walk the site in a manner such that we familiarize ourselves with site drainage and the presence of adjacent sites capable of contributing wastes. This will be followed by observation of on-site features and/or the location of features no longer present or obvious, but mentioned in records reviewed

City of Farmington Mr. Greg Beavers January 11, 2016 Page 4 of 7

in earlier portions of our work. Finally, the site will be traversed in a fashion to provide systematic coverage of the site.

If buildings are present then we will observe the areas within the buildings that are made reasonably accessible to us during the site visit.

Interviews

Persons including past owners and others who may be familiar with past activities at the site may be identified. Any contacts with such individuals will be coordinated through the client, and all information generated in this assessment will be kept confidential. Please note that 40 CFR §312.23 includes expanded requirements for interviews with site owners / operators and adjacent site owners. We will comply with these requirements, to the extent that appropriate interviewees are readily available.

Report

The report will include a statement expressing our professional opinion regarding the presence or absence of recognized environmental conditions at the site. This opinion will be based upon the above scope of work, and supported by descriptions of activities and findings. This report will include a discussion of data gaps (if any) for the information on the subject site, and our recommendations for any additional appropriate environmental investigations at the subject site. The final report will be submitted to you electronically via email. Hardcopies will not be provided unless specifically requested by you.

Note that the purpose of this Phase I assessment is to evaluate the presence of recognized environmental conditions related to the presence of hazardous substances and petroleum products. Hence it includes the results of the activities presented above and does not include such potential environmental concerns as asbestos, mold, indoor air quality, wetlands, archaeological sites, lead in drinking water, critical wildlife habitat, rare/endangered species, or urea-formaldehyde foam insulation.

SCHEDULE

We are prepared to initiate work immediately upon receipt of your authorization to proceed. Our present work load will allow for completion of our work, including submittal of the report, within fifteen business days following receipt of your authorization to proceed.

City of Farmington Mr. Greg Beavers January 11, 2016 Page 5 of 7

FEES, TERMS & CONDITIONS

Our fee for the Phase I Environmental Assessment, performed in accordance with the above scope of services and the attached Standard General Terms and Conditions, will be a Lump Sum of One Thousand Nine Hundred Dollars (\$1,900). This fee includes all tasks up to and including electronic submission of the final report.

Please note that the contents of this proposal are confidential. If you have any questions or comments, or wish to revise the scope of our work, please call me. We look forward to working with you on this project and appreciate your confidence.

OUR SERVICE PROMISE TO YOU

Shannon & Wilson is dedicated to helping your project succeed and to making your experience with us a positive one. Our hope is that, if you enjoy working with us on this project, you will use our services on your next project! To that end, we want you to be completely satisfied with our performance, our personnel, and our project documentation. If you feel that we are not delivering on our promise of quality service, we encourage you to take your concerns straight to our Saint Louis Office Manager, Tom Abkemeier. Tom's direct number is (314) 564-8109. Your project is important to us and we want to deliver our services to your full satisfaction.

If you have questions regarding this proposal or desire to modify the scope of work, please call Russ Schwab at 314-564-8108 or email him at rws@shanwil.com.

If this proposal meets with your approval, please sign in the space provided below and return one signed copy of this letter, which will serve as your authorization to proceed with the stated work. We appreciate your confidence in Shannon & Wilson.

City of Farmington Mr. Greg Beavers January 11, 2016 Page 6 of 7

Sincerely,

SHANNON & WILSON, INC.

Russell W. Schwab Senior Associate

RWS:MAW/tad

Enc:

Standard General Terms and Conditions

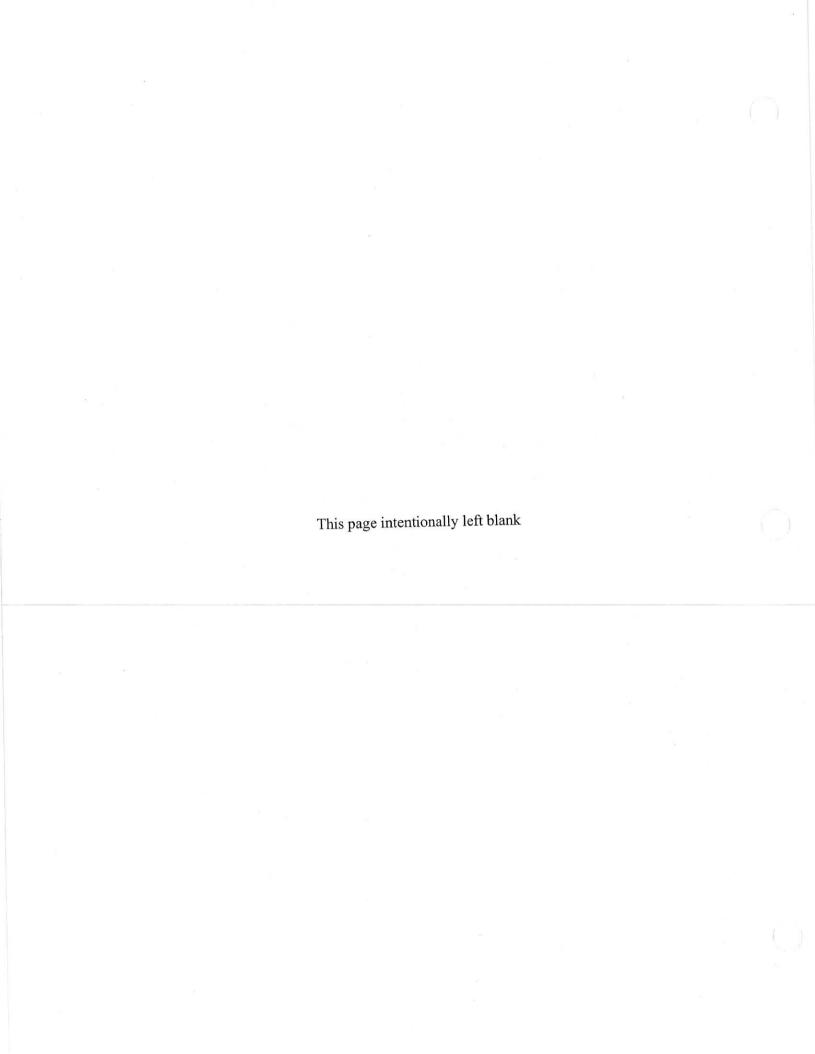
Important Information About Your Environmental Site Assessment/Evaluation Proposal

City of Farmington Mr. Greg Beavers January 11, 2016 Page 7 of 7

Signature		Date	
Name (Typed or Printed)		Organization	
Title If correspondence or billings please indicate in the spaces	s should be direct provided below	cted to anyone other than	n the addressee of this letter,
CORRESPON	DENCE]	BILLING
CORRESPONI Name:	DENCE	Name:	BILLING
	DENCE		BILLING
Name:	DENCE	Name:	BILLING
Name: Department:	DENCE	Name: Department:	BILLING
Name: Department: Address:	DENCE Zip:	Name: Department: Address:	BILLING Zip:
Name: Department: Address: City:		Name: Department: Address: City:	
Name: Department: Address: City: State:		Name: Department: Address: City: State:	

I accept the above proposal and authorize the work to proceed:

Email:





Attachm	nent to and part of our Proposal:	41-2-23812	
Date:	January 11, 2016	F1	
To:	Mr. Greg Beavers	ti.	
Re:	Proposal		

STANDARD GENERAL TERMS AND CONDITIONS

ARTICLE 1 - SERVICES OF SHANNON & WILSON

Shannon & Wilson's scope of work ("Services") shall be limited to those Services expressly set forth in its Proposal and is subject to the terms and conditions set forth herein.

Shannon & Wilson shall procure and maintain all business and professional licenses and registrations necessary to provide its Services. Upon Client's request (and for additional Compensation, if not already included in Shannon & Wilson's Proposal), Shannon & Wilson shall assist Client in attempting to obtain, or on behalf of Client and in Client's name attempt to obtain, those permits and approvals required for the project for which Shannon & Wilson's Services are being rendered.

Client acknowledges, depending on field conditions encountered and subsurface conditions discovered, the number and location of borings, the number and type of field and laboratory tests, and other similar items, as deemed necessary by Shannon & Wilson in the exercise of due care, may need to be increased or decreased; if such modifications are approved by Client, Shannon & Wilson's Compensation and Schedule shall be equitably adjusted.

If conditions actually encountered at the project site differ materially from those represented by Client and/or shown or indicated in the contract documents, or are of an unusual nature which materially differ from those ordinarily encountered and generally recognized as inherent for the locality and character of the Services provided for in Shannon & Wilson's scope of Services, Shannon & Wilson's Compensation and Schedule shall be equitably adjusted.

Without increasing the Services, compensation ("Compensation"), or schedule ("Schedule") contained in Shannon & Wilson's Proposal, Shannon & Wilson may employ such subcontractors as Shannon & Wilson deems necessary to assist in furnishing its Services.

If Shannon & Wilson's scope of Services is increased or decreased by Client, Shannon & Wilson's Compensation and Schedule shall be equitably adjusted.

ARTICLE 2 - TIMES FOR RENDERING SERVICES

Shannon & Wilson shall perform its Services in accordance with the Schedule set forth in its Proposal.

If Shannon & Wilson's Proposal sets forth specific periods of time for rendering Services, or specific dates by which Services are to be completed, and such periods of time or dates are extended or delayed through no fault of Shannon & Wilson, Shannon & Wilson's Compensation and Schedule shall be equitably adjusted.

If Shannon & Wilson's Schedule is accelerated by Client, Shannon & Wilson's Compensation shall be equitably adjusted.

ARTICLE 3 - PAYMENTS TO SHANNON & WILSON

Invoices shall be prepared in accordance with Shannon & Wilson's standard invoicing practices and shall be submitted to Client by Shannon & Wilson monthly. The amount billed in each invoice shall be calculated as set forth in Shannon & Wilson's Proposal.

Unless Shannon & Wilson's Proposal contains a fixed lump-sum Compensation, Shannon & Wilson's actual total Compensation may be more or less than the estimate contained in its Proposal. Shannon & Wilson shall not exceed the estimate contained in its Proposal by more than ten percent (10%) without the prior written consent of Client; provided however, unless the Client authorizes additional funds in excess of the estimate contained in Shannon & Wilson's Proposal, Shannon & Wilson shall have no obligation to continue Services on the project.

Invoices are due and payable within 30 days of receipt. If Client fails to pay Shannon & Wilson's invoice within 30 days after receipt, the amounts due Shannon & Wilson shall accrue interest at the rate of one and one-half percent (1.5%) per month (or the maximum rate of interest permitted by law, if less) after the 30th day. In addition, Shannon & Wilson may, after giving seven (7) days written notice to Client, suspend all Services under this Agreement until Shannon & Wilson has been paid in full.

If Client disputes Shannon & Wilson's invoice, only the disputed portion(s) may be withheld from payment, and the undisputed portion(s) shall be paid.

Records of Shannon & Wilson's direct and indirect costs and expenses pertinent to its Compensation under this Agreement shall be kept in accordance with generally accepted accounting practices and applicable federal, state, or local laws and regulations. Upon request, such records shall be made available to Client for inspection on Shannon & Wilson's premises and copies provided to Client at cost.

ARTICLE 4 - CLIENT'S RESPONSIBILITIES

Client shall grant or obtain free access to the project site for all equipment and personnel necessary for Shannon & Wilson to perform its Services.

ARTICLE 5 - STANDARD OF CARE / ABSENCE OF WARRANTIES / NO RESPONSIBILITY FOR SITE SAFETY OR CONTRACTOR'S PERFORMANCE

Standard of Care

The standard of care for all professional Services performed or furnished by Shannon & Wilson under this Agreement shall be the skill and care ordinarily exercised by other members of Shannon & Wilson's profession, providing the same or similar services, under the same or similar circumstances, at the same time and locality as the Services were provided by Shannon & Wilson. The installation, construction, alteration, or repair of any object or structure by Shannon & Wilson shall be performed in a good and workmanlike manner in accordance with general industry standards, and conform to this Agreement.

Subsurface explorations and testing identify actual subsurface conditions only at those points where samples are taken, at the time they are taken. Actual conditions at other locations of the project site, including those inferred to exist between the sample points, may differ significantly from conditions that exist at the sampling locations. The passage of time or intervening causes may cause the actual conditions at the sampling locations to change as well.

Interpretations and recommendations made by Shannon & Wilson shall be based solely upon information available to Shannon & Wilson at the time the interpretations and recommendations are made.

Shannon & Wilson shall be responsible for the technical accuracy of its Services, data, interpretations, and recommendations resulting therefrom, and Client shall not be responsible for discovering deficiencies therein. Shannon & Wilson shall correct any substandard Services without additional Compensation, except to the extent that such inaccuracies are directly attributable to deficiencies in Client-furnished information.

Shannon & Wilson makes no guarantees or warranties, express or implied, under this Agreement or otherwise, about Shannon & Wilson's professional

Shannon & Wilson warrants for one (1) year from substantial completion of the Services, all goods delivered hereunder shall be new and free from defects in material or workmanship, and shall conform to the specifications, drawings, or sample(s) specified or furnished, if any, and shall be merchantable and fit for their intended purpose(s). Shannon & Wilson warrants that Shannon & Wilson has good and marketable title to all goods delivered hereunder, and that all goods delivered hereunder shall be free and clear of all claims of superior title, liens, and encumbrances of any kind.

Shannon & Wilson may use requirements, programs, instructions, reports, data, and information furnished by Client to Shannon & Wilson in performing its Services under this Agreement. Shannon & Wilson may rely on the accuracy and completeness of requirements, programs, instructions, reports, data, and other information furnished by Client to Shannon & Wilson. Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson and its subcontractors, and indemnify and hold Shannon & Wilson and its subcontractors harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from Shannon & Wilson's reliance on Client-furnished information, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract.

Shannon & Wilson shall take reasonable precautions to minimize damage to the project site, but it is understood by Client that, in the normal course of Shannon & Wilson's Services, some project site damage may occur, and the correction of such damage is not part of Shannon & Wilson Services unless so stated in Shannon & Wilson's Proposal. Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson and its subcontractors, and indemnify and hold Shannon & Wilson and its subcontractors harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from any project site damage caused by Shannon & Wilson, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract.

If there are any buried structures and/or utilities on the project site where subsurface explorations are to take place, Client shall provide Shannon & Wilson with a plan showing their existing locations. Shannon & Wilson shall contact the one-number utility locator service to request that they identify any utilities. Shannon & Wilson shall use reasonable care and diligence to avoid contact with buried structures and/or utilities as shown. Shannon & Wilson shall not be liable for any loss or damage to buried structures and/or utilities resulting from inaccuracy of the plans, or lack of plans, or errors by the locator service relating to the location of buried structures and/or utilities. Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson and its subcontractors, and indemnify, and hold Shannon & Wilson and its subcontractors harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from damage to buried structures and/or utilities caused by Shannon & Wilson's sampling, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract.

Despite the use of due care, unavoidable contamination of soil or groundwater may occur during subsurface exploration when drilling or sampling tools are advanced through a contaminated area, linking it to an aquifer, underground stream, or other hydrous body not previously contaminated and capable of spreading contaminants off the project site. Because Shannon & Wilson is powerless to totally eliminate this risk despite use of due care, and because sampling is an essential element of Shannon & Wilson's Services, Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson and its subcontractors, and indemnify and hold Shannon & Wilson and its subcontractors harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from cross-contamination caused by Shannon & Wilson's sampling, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract.

If opinions of probable construction costs are included in Shannon & Wilson's Proposal, Shannon & Wilson's opinions of probable construction costs shall be made on the basis of its experience and qualifications and represent its judgment as a professional generally familiar with the industry. Opinions of probable construction costs are based, in part, on approximate quantity evaluations that are not accurate enough to permit contractors to prepare bids. Further, since Shannon & Wilson has no control over: the cost of labor, materials, equipment, or work furnished by others; the contractor's actual or proposed construction methods or methods of determining prices; competitive bidding; or market conditions, Shannon & Wilson cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from opinions of the components of probable construction cost prepared by Shannon & Wilson. If Client or any contractor wishes greater assurance as to probable construction cost, Client or contractor shall employ an independent cost estimator.

Review of Contractor's Shop Drawings and Submittals

If review of a contractor's shop drawings and submittals are included in Shannon & Wilson's Proposal, Shannon & Wilson shall review and take appropriate action on the contractor's submittals, such as shop drawings, product data, samples, and other data, which the contractor is required to submit, but solely for the limited purpose of checking for general overall conformance with Shannon & Wilson's design concept. This review shall not include a review of the accuracy or completeness of details, such as quantities; dimensions; weights or gauges; fabrication processes; construction means, methods, sequences or procedures; coordination of the work with other trades; or construction safety precautions, all of which are the sole responsibility of the contractor. Shannon & Wilson's review shall be conducted with reasonable promptness while allowing sufficient time, in Shannon & Wilson's judgment, to permit adequate review. Review of a specific item shall not be construed to mean that Shannon & Wilson has reviewed the entire assembly of which the item is a component. Shannon & Wilson shall not be responsible for any deviations by the contractor in the shop drawings and submittals from the construction documents, which are not brought to the attention of Shannon & Wilson by the contractor in writing.

If construction observation is included in Shannon & Wilson's Proposal, Shannon & Wilson shall visit the project site at intervals Shannon & Wilson deems appropriate, or as otherwise agreed to in writing by Client and Shannon & Wilson, in order to observe and keep Client generally informed of the progress and quality of the work. Such visits and observations are not intended to be an exhaustive check or a detailed inspection of any contractor's work, but rather are to allow Shannon & Wilson, as a professional, to become generally familiar with the work in progress in order to determine, in general, whether the work is progressing in a manner indicating that the work, when fully completed, will be in accordance with Shannon & Wilson's general overall design concept. Shannon & Wilson's authority shall be limited to observing, making technical comments regarding general overall compliance with Shannon & Wilson's design concept, and rejecting any work which it becomes aware of that does not comply with Shannon & Wilson's general overall design concept. Shannon & Wilson's acceptance of any non-conforming work containing latent defects or failure to reject any non-conforming Services not inspected by Shannon & Wilson shall not impose any liability on Shannon & Wilson or relieve any contractor from complying with their contract documents. All construction contractors shall be solely responsible for construction site safety, the quality of their work, and adherence to their contract documents. Shannon & Wilson shall have no authority to direct any contractor's actions or stop any contractor's work.

If Shannon & Wilson is not retained to provide construction observation of the implementation of its design recommendations, Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson, and indemnify and hold Shannon & Wilson harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from the implementation of Shannon & Wilson's design recommendations, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract.

No Responsibility for Site Safety

Except for its own subcontractors and employees, Shannon & Wilson shall not: supervise, direct, have control over, or authority to stop any contractor's work; have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by any contractor; be responsible for safety precautions and programs incident to any contractor's work; or be responsible for any failure of any contractor to comply with laws and regulations applicable to the contractor, all of which are the sole responsibility of the construction contractors. This requirement shall apply continuously, regardless of time or place, and shall in no way be altered because a representative of Shannon & Wilson is present at the project site performing his/her duties. Notwithstanding anything to the contrary, Shannon & Wilson shall never be deemed to have assumed responsibility for the project's site safety by either contract or conduct. No act or direction by Shannon & Wilson shall be deemed the exercise of supervision or control of any contractor's employees or the direction of any contractor's performance. Any direction provided by Shannon & Wilson shall be deemed solely to ensure the contractor's general overall compliance with Shannon & Wilson's design concept.

No Responsibility for Contractor's Performance

Except for its own subcontractors and employees, Shannon & Wilson shall not be responsible for safety precautions, the quality of any contractor's work, or any contractor's failure to furnish or perform their work in accordance with their contract documents.

Except Shannon & Wilson's own employees and its subcontractors, Shannon & Wilson shall not: be responsible for the acts or omissions of any contractor, subcontractor or supplier, or other persons at the project site, or otherwise furnishing or performing any work; or for any decision based on interpretations or clarifications of Shannon & Wilson's design concept given without the consultation and concurrence of Shannon & Wilson.

Approval of Contractor's Applications for Payment

If approval of a contractor's applications for payment are included in Shannon & Wilson's Proposal, Shannon & Wilson shall review the amounts due the contractor and issue a recommendation about payment to Client. Shannon & Wilson's review and approval shall be limited to an evaluation of the general progress of the work and the information contained in the contractor's application for payment and a representation by Shannon & Wilson that to the best of the Shannon & Wilson's knowledge, the contractor has performed work for which payment has been requested, subject to further testing and inspection upon substantial completion. The issuance of a recommendation for payment shall not be construed as a representation that: Shannon & Wilson has made an exhaustive check or a detailed or continuous inspection check of the quality or quantity of the contractor's work; approved the contractors means, methods, sequences, procedures, or safety precautions; or that contractor's subcontractors, laborers, and suppliers have been paid.

ARTICLE 6 - CONFIDENTIALITY AND USE OF DOCUMENTS

Shannon & Wilson agrees to keep confidential and to not disclose to any person or entity (other than Shannon & Wilson's employees and subcontractors), without the prior consent of Client, all information furnished to Shannon & Wilson by Client or learned by Shannon & Wilson as a result of its Services on the project; provided however, that these provisions shall not apply to information that: is in the public domain through no fault of Shannon & Wilson; was previously known to Shannon & Wilson; or was independently acquired by Shannon & Wilson from third-parties who were under no obligation to Client to keep said information confidential. This paragraph shall not be construed to in any way restrict Shannon & Wilson from making any disclosures required by law. Client agrees that Shannon & Wilson may use and publish Client's name and a general description of Shannon & Wilson's Services with respect to the project in describing Shannon & Wilson's experience and qualifications to others.

Copyrights and Patents - Shannon & Wilson shall indemnify, hold harmless, and defend Client from any and all actions, damages, demands, expenses (including reasonable attorneys' fees and costs), losses, and liabilities arising out of any claims that any goods or Services furnished by Shannon & Wilson infringe any patent, trademark, trade name, or copyright.

All documents prepared by Shannon & Wilson are instruments of service with respect to the project, and Shannon & Wilson shall retain a copyrighted ownership and property interest therein (including the right of reuse) whether or not the project is completed.

Shannon & Wilson grants to Client a non-exclusive, irrevocable, unlimited, royalty-free license to use any documents prepared by Shannon & Wilson for Client. Client may make and retain copies of such documents for their information and use. Such documents are not intended or represented to be suitable for reuse by Client, or others, after the passage of time, on extensions of the project, or on any other project. Any such reuse without written verification or adaptation by Shannon & Wilson, as appropriate for the specific purpose intended, shall be at Client's sole risk, and Client shall, only to the fullest extent permitted by law, waive any claims against Shannon & Wilson and its subcontractors, and indemnify and hold Shannon & Wilson and its subcontractors harmless from any claims, liability, or expenses (including reasonable attorneys' fees and costs) arising from such reuse, except to the extent of Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract. Any verification or adaptation of the documents for extensions of the project or for any other project by Shannon & Wilson shall entitle Shannon & Wilson to additional Compensation to be agreed upon by Client and Shannon & Wilson.

Copies of documents that may be relied upon by Client are limited to the printed copies (also known as hard copies) that are signed or sealed by Shannon & Wilson. Text, data, or graphics files in electronic media format are furnished solely for the convenience of Client. Any conclusion or information obtained or derived from such electronic files shall be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

Because data stored in electronic media can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving an electronic file agrees that it shall perform acceptance tests or procedures within 60 days after its receipt, after which, unless notice of any errors are given in writing to the delivering party, the receiving party shall be deemed to have accepted the data thus transferred. Any errors reported within the 60day acceptance period shall be corrected by the party delivering the electronic files at their sole expense. Shannon & Wilson shall not be responsible for maintaining documents stored in electronic media format after acceptance by Client.

When transferring documents in electronic media format, neither Client nor Shannon & Wilson makes any representations as to long-term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used for the document's creation.

ARTICLE 7 - INSURANCE

Shannon & Wilson shall purchase and maintain during the term of this Agreement, the following insurance coverage at its sole expense:

Commercial General Liability - \$1,000,000 each occurrence/\$2,000,000 annual aggregate Bodily Injury/Property Damage Combined Single Limit including Blanket Contractual Liability, Broad Form Products and Completed Operations, Explosion/Collapse/Underground (XCU) Exposures, and Washington Stop Gap coverage.

Auto Liability - \$1,000,000 Bodily Injury/Property Damage Combined Single Limit including Owned, Hired, and Non-Owned Liability coverage.

Umbrella Liability - \$10,000,000 Bodily Injury/Property Damage combined Single Limit in excess of Commercial General Liability, Auto Liability, and Employers' Liability.

Workers' Compensation - Statutory in monopolistic states and \$500,000 per accident/\$500,000 per disease/\$500,000 disease policy aggregate Employers' Liability in non-monopolistic including if applicable, U.S. Longshore & Harbor Workers coverage.

Professional Liability - \$1,000,000 per claims/\$1,000,000 annual aggregate for professional errors and omissions including Pollution Liability coverage.

If requested in writing by Client, Shannon & Wilson shall name Client as an additional insured on its Commercial General Liability policy.

If requested in writing by Client, Shannon & Wilson shall deliver to Client certificates of insurance evidencing such coverage. Such certificates shall be furnished before commencement of Shannon & Wilson's Services.

Client shall cause Shannon & Wilson and its subcontractors to be listed as additional insureds on any Commercial General Liability insurance carried by Client that is applicable to the project.

Client shall require the project owner to require the general contractor on the project to purchase and maintain Commercial General Liability, Builder's Risk, Automobile Liability, Workers compensation, and Employers Liability insurance, with limits no less than set forth above, and to cause Shannon & Wilson and its subcontractors to be listed as additional insureds on the Commercial General Liability insurance. Client shall require the project owner include the substance of this paragraph in the prime construction contract.

All insurance policies required under this Article shall contain a waiver of subrogation.

ARTICLE 8 - HAZARDOUS ENVIRONMENTAL CONDITIONS

Disclosure of the Existence of Hazardous Environmental Conditions

Client has disclosed to Shannon & Wilson all data known to Client concerning known or suspected hazardous environmental conditions, including but not limited to, the existence of all asbestos, PCBs, petroleum, hazardous waste, or radioactive material, if any, located at or near the project site, including its type, quantity, and location, or has represented to Shannon & Wilson that, to the best of Client's knowledge, no hazardous environmental conditions exist at or near the project site.

If any hazardous environmental condition is encountered or believed to exist, Shannon & Wilson shall notify Client and, to the extent required by applicable laws and regulations, the project site owner, and appropriate governmental officials.

Disposal of Non-Hazardous Samples and Hazardous or Toxic Substances

All substances on, in, or under the project site, or obtained from the project site as samples or as byproducts (e.g., drill cuttings and fluids) of the sampling process are the project site owner's property. Shannon & Wilson shall preserve such samples for forty-five (45) calendar days after Shannon & Wilson's issuance to Client of the final instrument of service that relates to the data obtained from them. Shannon & Wilson shall dispose of all non-hazardous samples and sampling process byproducts in accordance with applicable law; provided however, any samples or sampling process byproducts that are, or are believed to be, affected by regulated contaminants shall be packaged by Shannon & Wilson in accordance with applicable law, and turned over to Client or left on the project site. Shannon & Wilson shall not transport store, treat, dispose of, or arrange for the transportation, storage, treatment, or disposal of, any substances known, believed, or suspected to be affected by regulated contaminants, nor shall Shannon & Wilson subcontract for such activities

Shannon & Wilson shall, at Client's request (and for additional Compensation, if not already included in Shannon & Wilson's Proposal), help Client or the project site owner identify appropriate alternatives for transportation, storage, treatment, or disposal of such substances, but Shannon & Wilson shall not make any independent determination about the selection of a transportation, storage, treatment, or disposal facility.

Client or the project site owner shall sign all manifests for the transportation, storage, treatment, or disposal of substances affected by regulated contaminants; provided however, notwithstanding any other provisions of this Agreement to the contrary, if Client directs Shannon & Wilson, Shannon & Wilson's employees, or Shannon & Wilson's agents to sign such manifests and/or to hire for Client or the project site owner a contractor to transport store, treat, or dispose of the contaminated substances, Shannon & Wilson shall do so only as Client's disclosed agent.

Contaminated Equipment and Consumables

Client shall reimburse Shannon & Wilson for the cost of decontaminating field or laboratory equipment that is contaminated by regulated materials encountered at the project site and for the cost of disposal and replacement of contaminated consumables. In some instances, the cost of decontamination may exceed the fair market value of the equipment, were it not contaminated, together with the cost of properly transporting and disposing of the equipment. In Page 4 of 6 such instances, Shannon & Wilson will notify Client and give Client the option of paying for decontamination or purchasing the equipment at its fair market value immediately prior to contamination. If Client elects to purchase equipment, Client and Shannon & Wilson will enter into a specific agreement for that purpose. Any equipment that cannot be decontaminated shall be considered a consumable.

Client's Liability for Hazardous or Toxic Materials

Except to the extent caused by Shannon & Wilson's and its subcontractor's negligent or wrongful acts, errors, omissions, or breach of contract, and only to the maximum extent permitted by law, Client shall: indemnify and hold harmless Shannon & Wilson, its subcontractors and their partners, officers, directors, employees, and agents; from and against any and all actions (whether sounding in tort, contract (express or implied), warranty (express or implied), statutory liability, strict liability, or otherwise), claims (including, but not limited to, claims for bodily injury, death, property damage (including bodily injury, death, or property damage to Shannon & Wilson's own employees), or arising under CERCLA, MTCA, or similar federal, state, or local environmental laws), costs, damages (including without limitation, economic, non-economic, general, special, incidental, consequential), demands, expenses (including, but not limited to, reasonable attorneys' fees and costs of defense), fines, judgments, liens, liabilities, and penalties of any kind whatsoever; arising from the arrangement for and/or ownership, operation, generation, labeling, transportation, storage, disposal, treatment, release, or threatened release of any hazardous or toxic materials, as defined by CERCLA, MTCA, or similar federal, state, or local environmental laws, on and/or from the project site.

ARTICLE 9 - ALLOCATION OF RISK

To the maximum extent permitted by law, Shannon & Wilson shall: indemnify and hold harmless Client, its appointed and elected officials, partners, officers, directors, employees, and agents; from and against any and all actions (whether sounding in tort, contract (express or implied), warranty (express or implied), statutory liability, strict liability, or otherwise), claims (including, but not limited to, claims for bodily injury, death, property damage, (including bodily injury, death, or property damage to Shannon & Wilson's own employees) or arising under CERCLA, MTCA, or similar federal, state, or local environmental laws), costs, damages (including without limitation, economic, non-economic, general, special, incidental, consequential), demands, expenses (including, but not limited to, reasonable attorneys' fees and costs of defense), fines, judgments, liens, liabilities, and penalties of any kind whatsoever; arising from the negligent or wrongful acts, errors, or omissions, or breach of contract or warranty express or implied, by Shannon & Wilson or any of its subcontractors; but only to the extent of Shannon & Wilson's and its subcontractor's relative degree of fault. In furtherance of these obligations, and only with respect to Client, its appointed and elected officials, partners, officers, directors, employees and agents, Shannon & Wilson waives any immunity it may have or limitation on the amount or type of damages imposed under any industrial insurance, worker's compensation, disability, employee benefit, or similar laws. Shannon & Wilson acknowledges that this waiver of immunity was mutually negotiated.

Limitation on Shannon & Wilson's Liability for Damages

A. Total Liability for Damages Limited to Insurance Proceeds

Notwithstanding any other provisions of this Agreement, and only to the maximum extent permitted by law, the total liability for damages, in the aggregate, under this Agreement of Shannon & Wilson, its subcontractors, and their partners, officers, directors, employees, agents and, or any of them, to Client and/or anyone claiming by, through, or under Client, for any and all actions (whether sounding in tort, contract (express or implied), warranty (express or implied), statutory liability, strict liability, or otherwise), claims (including, but not limited to, claims for bodily injury, death, property damage, (including bodily injury, death, or property damage to Shannon & Wilson's own employees) or arising under CERCLA, MTCA, or similar federal, state, or local environmental laws), costs, damages (including without limitation, economic, non-economic, general, special, incidental, consequential), demands, expenses (including, but not limited to, reasonable attorneys' fees and costs of defense), fines, judgments, liens, liabilities, and penalties of any kind whatsoever, arising out of, resulting from, or in any way related to the project or this Agreement, shall be limited to the insurance proceeds payable on behalf of or to Shannon & Wilson by any insurance policies applicable thereto. If you are unwilling or unable to limit our liability for damages in this manner, we will negotiate this limitation and its associated impact on our approach, Services, Schedule, and Compensation, with you. You must notify us in writing before we commence any of our Services of your intention to negotiate this limitation and its associated impact on our approach, Services, Schedule, and Compensation. Absent your prior written notification to the contrary, we will proceed on the basis that our total liability for damages is limited as set forth above.

B. Professional Liability for Damages Limited to \$50,000 or 10% of Fee

With respect to professional errors or omissions only, notwithstanding any other provisions of this Agreement, and only to the maximum extent permitted by law, the total professional liability for damages, in the aggregate, under this Agreement of Shannon & Wilson, its subcontractors, and their partners, officers, directors, employees, agents, or any of them, to Client and/or anyone claiming by, through, or under Client, for any and all actions (whether sounding in tort, contract (express or implied), warranty (express or implied), statutory liability, strict liability, or otherwise), claims (including, but not limited to, claims for bodily injury, death, property damage (including bodily injury, death, or property damage to Shannon & Wilson's own employees) or arising under CERCLA, MTCA, or similar federal, state, or local environmental laws), costs, damages (including without limitation, economic, non-economic, general, special, incidental, consequential), demands, expenses (including, but not limited to, reasonable attorneys' fees and costs of defense), fines, judgments, liens, liabilities, and penalties of any kind whatsoever, arising out of, resulting from, or in any way related to the professional errors or omissions of Shannon & Wilson, its subcontractors, or their partners, officers, directors, employees, agents or, or any of them, shall be capped in the aggregate total amount of \$50,000.00, or ten percent (10%) of the total Compensation actually paid to Shannon & Wilson under this Agreement, whichever is greater. If you are unwilling or unable to limit our professional liability for damages to these sums, we will negotiate the amount of this limitation and its associated impact on our approach, Services, Schedule, and Compensation, with you. You must notify us in writing before we commence any of our Services of your intention to negotiate the amount of this limitation and its associated impact on our approach, Services, Schedule, and Compensation. Absent your prior written notification to the contrary, we will proceed on the basis that our total professional liability for damages is limited to \$50,000.00 or ten percent (10%) of the total Compensation actually paid to Shannon & Wilson under this Agreement, whichever is greater.

ARTICLE 10 - MISCELLANEOUS

This Agreement may be terminated without further obligation or liability by either party, with or without cause (for convenience), upon 30 days prior written notice to the other. Shannon & Wilson shall be entitled to Compensation for all Services performed prior to the termination of this Agreement. This Agreement may be terminated by the non-breaching party upon any breach of this Agreement that remains uncured after 10 days notice to the breaching party by the non-breaching party. Upon payment of all amounts due Shannon & Wilson, Client shall be entitled to copies of Shannon & Wilson's files and records pertaining to Services performed prior to the termination of this Agreement.

Successors, Assigns, and Beneficiaries

This Agreement shall be binding upon each party's assigns, successors, executors, administrators, and legal representatives.

Neither Client nor Shannon & Wilson may assign or transfer any rights under or interest in this Agreement without the written consent of the other. No assignment shall release or discharge the assignor from any duty or responsibility under this Agreement.

Nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Client or Shannon & Wilson to any third-party. All duties and responsibilities undertaken under this Agreement shall be for the sole and exclusive benefit of Client and Shannon & Wilson. There are no intended third-party beneficiaries. Notwithstanding the foregoing, should a court find a third-party to be a beneficiary of this Agreement, it is the intent of the parties that the judicially created third-party beneficiary be bound by and subject to all of the terms and conditions of this Agreement.

Statutes of Limitation, Notice of Claims, Jurisdiction, Venue, Choice of Law and Alternative Dispute Resolution

Any applicable Statute of Limitation shall be deemed to commence running on the date which the claimant knew, or should have known, of the facts giving rise to their claims, but in no event later than the date of substantial completion of Shannon & Wilson's Services under this Agreement. To the maximum extent permitted by law, as a condition precedent to commencing a judicial proceeding, a party shall give written notice of their claims, including all amounts claimed, and the factual basis for their claims, to the other party within one (1) year of when the claimant knew, or should have known, of the facts giving rise to their claims, but in no event later than one (1) year from the date of substantial completion of Shannon & Wilson's Services under this Agreement. As a condition precedent to commencing a judicial proceeding, a party shall first submit their claims to non-binding mediation through and in accordance with the rules of the American Arbitration Association.

This Agreement shall be construed in accordance with and governed by the laws (except choice and conflict of law provisions) of the state in which the Project is located.

Any judicial action shall be brought in the state in which the Project is located.

Should any dispute or claims arise out of this Agreement, whether sounding in tort, contract (express or implied), warranty (express or implied), statutory liability, strict liability, or otherwise, the prevailing party shall be entitled to an award of their reasonable attorneys' fees and costs, including upon appeal and in the enforcement of any judgment. Should neither party prevail on all of their claims or receive all of the relief they sought, then the substantially prevailing party shall be awarded their reasonable attorneys' fees and costs, including upon appeal and in the enforcement of any judgment.

A waiver of any of the terms and conditions or breaches of this Agreement shall not operate as a subsequent waiver.

The headings used in this agreement are for general ease of reference only. They have no meaning and are not part of this Agreement.

This Agreement, together with all attachments hereto, are incorporated by reference into each other, and supercede all prior written and oral discussions, representations, negotiations, and agreements on the subject matter of this Agreement and represent the parties' complete, entire, and final understanding of the subject matter of this Agreement.

Notwithstanding completion or termination of this Agreement for any reason, all representations, warranties, limitations of liability, and indemnification obligations contained in this Agreement shall survive such completion or termination and remain in full force and effect until fulfilled.

If any of the terms or conditions of this Agreement are found to be void or unenforceable for any reason, the remainder of this Agreement shall continue in full force and effect, and the court shall attempt to judicially reform the void or unenforceable provisions to the maximum extent possible, consistent with the original intent expressed in the provisions, to render it valid and enforceable. If the court is unable to reform the provisions to render it valid and enforceable, the court shall strike only that portion which is invalid or unenforceable, and this Agreement shall then be construed without reference to the void or unenforceable provisions.

Attachment to	Proposal:	41-2-23812
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Dated January 11, 2016

To: Mr. Greg Beavers

Important Information About Your Environmental Site Assessment/Evaluation Proposal

Imagine purchasing a site for \$500,000, only to learn later during construction that hazardous materials have been discovered. That you are legally obliged to remove them before work may continue. That the unanticipated cleanup cost will be \$5 million. Or more.

The risk is real. There is no way to eliminate risk, but it can be managed by relying on a qualified consulting firm to perform an environmental site assessment (ESA), also known as a preacquisition site assessment.

RELY ON A QUALIFIED FIRM. THE COST OF OWNING A POLLUTED SITE CAN BE IMMENSE AND YOU MAY HAVE TO BEAR IT ALL YOURSELF.

Insurance will not ordinarily pay for cleanup because most policies exclude pollution coverage. You may be unable to force prior owners to pay unless they have previously assumed the obligation in writing. Even the option of abandoning the site may not reduce your exposure.

Although assessments are required by law in some states, no current ordinance, regulation, or code is known to prescribe what an assessment must consist of. This is as it should be. For an assessment to be effective, those who design it need flexibility to adequately consider the unique set of factors created by the site itself and your own particular risk management objectives. Addressing the need for flexibility, there are several guidance documents available for conducting ESAs. The American Society for Testing and Materials (ASTM) has developed a standard for the Phase I Environmental Site Assessment process (ASTM E 1527-94). This is the most widely recognized and accepted standard currently in use for ESAs.

Although reliance on a competent consultant is necessary to manage your risk, it does not eliminate your risk. Consultants who perform assessments generally are engaged to determine if a site has the potential for, or is affected by, hidden problems. If they could see the unseeable, they would know precisely where to look and what methods to apply, but consultants are not clairvoyant. Even the most rigorous professional assessment may fail to identify all existing conditions. This potential creates risk. The risk is yours. Do not look to your consultant to assume it. Your consultant serves as your professional advisor, to provide guidance and opinions based on analysis and judgment. Were professional firms to accept your risks in addition to their own, the cost of performing assessments would be prohibitive.

A FIRM UNCONCERNED ABOUT ITS OWN RISKS CANNOT BE EXPECTED TO CARE ABOUT YOURS.

It is essential to work with a consultant who understands the risks involved, who can explain them to you clearly, and who can competently apply appropriate technical measures to reduce those risks to levels you can tolerate. The technical measures usually are pursued in stages, with each step being based on information obtained from the previous one.

The initial stage of an assessment is usually a review of the site history. Typical tasks associated with this review might include: reviewing public documents to chronicle site ownership for the past 30, 40, or more years; investigating the site's regulatory history to learn about permits granted or citations issued; determining prior uses of the site and those adjacent to it; and interviewing previous owners/operators and owners of adjacent properties with respect to local concerns and site use.

Existing conditions are evaluated by conducting a site reconnaissance and reviewing available information such as: topographic and real estate maps, historical aerial photos, geologic information, and hydrologic data; federal and state regulatory database lists regarding known and/or potential environmental conditions; readily available published information about surface and subsurface conditions; and the potential for naturally occurring hazards, such as radon gas, asbestos, or methane.

WAITING UNTIL THE LAST MINUTE CAN DILUTE THE QUALITY OF WORK AND INCREASE RISK.

Because so many aspects of a historical review require reliance on information provided by third parties, it is essential to give your consultant adequate lead time. Following the historical review, or in conjunction with it, your consultant will probably perform a site reconnaissance. This means "walking" the site, using any available current maps, aerial photos, or development plans. Particular concerns are distressed vegetation, ground stains, trash and/or debris, landfills, depressions, and evidence of any underground tanks or other potential contaminant sources. Discussions with site personnel, former employees, and adjacent property owners can also be of value, particularly with respect to any past or present chemical use, storage, treatment, or disposal practices. In cases where buildings, piping, or transformers exist on the site, site reconnaissance should be expanded to consider the potential for asbestos or PCB contamination.

Some clients direct their consultants to terminate an ESA without sampling when historical review and site reconnaissance alone indicate that hazardous materials probably are not present. Other clients prefer additional review as a general risk reduction measure, or when prior findings or professional intuition suggest the site may be "dirty."

Additional review can take a variety of forms. Many consultants proceed by collecting samples of subsurface materials for visual evaluation and laboratory analysis. If these procedures indicate the presence of hazardous substances, the client is so informed. Follow-up activity then might include additional subsurface sampling to help determine the source of contamination or contaminant migration pathways. Qualitative and/or quantitative chemical testing may also be appropriate to evaluate the contaminants' composition.

In those instances where the client believes some type of contaminant is present, the consultant is usually engaged to provide a comprehensive survey, including groundwater analysis. This would be followed by a report of findings. Depending on the scope of work, the report may identify the procedures necessary to mitigate hazardous conditions (assuming they are found) and the likely cost of performing the required remedial measures.

INCIDENTAL DAMAGE MAY OCCUR DURING SAMPLING ACTIVITIES.

Incidental damage to a facility may occur during sampling activities. Asbestos and lead-based paint sampling often require destructive sampling of pipe insulation, floor tile, walls, doors, ceiling tile, roofing, and other building materials. Shannon & Wilson does not provide for paint repair. Limited repair of asbestos sample locations are provided for; however, Shannon & Wilson does not warranty repairs made by our field personnel, nor shall we be held liable for injuries or damages that may occur as a result of those repairs. If you desire a specific by our field personnel, nor shall we be provided by a licensed roofing contractor, you should request the specific repair at the time of the proposal. Repair methods not specified in the proposal are the responsibility of the owner.

CERTIFYING THAT CERTAIN CONDITIONS EXIST, WHEN IT IS IMPOSSIBLE TO KNOW THAT THEY EXIST, MAY BE RULED A NEGLIGENT ACT.

Most consultants will refuse to certify, i.e., warrant, that a site is free of contaminants, because it is impossible to know with absolute certainty if such a condition exists. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas that showed no signs of contamination when previously sampled. A prudent consultant can only provide an opinion.

INDEMNIFYING AND/OR LIMITING MONETARY EXPOSURE IS IMPORTANT TO THE CLIENT AND THE CONSULTANT.

Indemnifications are important concerns to the consultants because of court rulings that make them liable to any party who foreseeably could be damaged by their negligent acts. As a consequence, a consultant engaged by a buyer could be sued by a site's owner because the consultant's discovery of hazardous materials effectively destroyed the land's value. Even though the consultant's position would likely be upheld in court, the claim would have to be defended, and the cost of defense might be many times larger than the fee earned for conducting the assessment. For reasons such as this, most assessment contracts include provisions, which make clients responsible for project-related liabilities that consultants are powerless to control. liabilities that consultants are powerless to control.

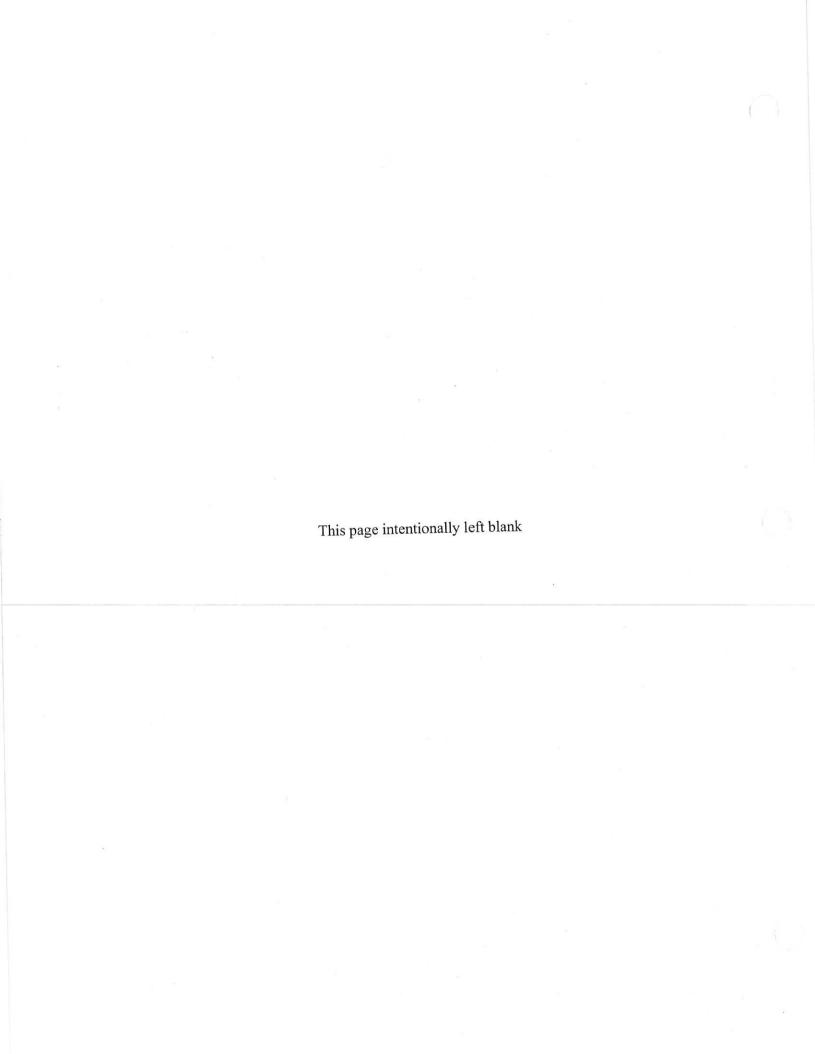
Also, our client (the buyer) may be sued by the current landowner for reduced property value if waste is discovered. As a result, the potential buyer in the assessment agreement should address this potential problem so that both the potential buyer and the consultant are "held harmless" for the possible discovery of waste.

ONE OF THE OBLIGATIONS OF YOUR CONSULTANT IS TO PROTECT THE SAFETY, PROPERTY, AND WELFARE OF THE PUBLIC.

Occasionally, an ESA will disclose the existence of conditions that may endanger the safety, health, property, or welfare of the public. Your consultant may be obligated under rules of professional conduct, statutory law, or common law to notify you and others of these conditions.

> The preceding paragraphs are based on information provided by the ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland

Appendix B



IMPORTANT!! CLIENT/USER RESPONSIBILITIES FOR PHASE I ENVIRONMENTAL SITE ASSESSMENTS

ASTM E 1527-13 and the All Appropriate Inquiry Rule at 40 CFR Part 312 impose upon the User of the Phase I Environmental Site Assessment the responsibility for performing certain tasks and providing certain information to the environmental professional to help identify the possibility of recognized environmental conditions in connection with the property. The "User" is any person seeking to use the Phase I Environmental Site Assessment to be potentially eligible for the Landowner Liability Protections under the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and may include a potential purchaser, tenant, lender or property manager of the property.

Attached for your action is a "Phase I Assessment User Questionnaire" which is designed to provide you with a concise list of the tasks and information that you, and any other User, must perform and/or provide to us in connection with this Phase I Environmental Site Assessment. We ask that each User (you and each party who intends to rely on this Phase I Environmental Site Assessment) complete the Questionnaire and return it to us as soon as possible so that the information may be timely considered by us as we assess the property. If you desire for us to arrange for the user-required review of land title or judicial records for environmental liens and activity/use limitations associated with the property (Item 1 on the Questionnaire), that request must be set forth in your Request for Phase I Assessment.

It is important to understand that the failure perform the user-required tasks and provide the information in the Questionnaire will be identified as a "data gap" in our report and could jeopardize our ability to form an opinion about whether recognized environmental conditions exist at the property. It could also jeopardize the User's ability to meet the threshold "all appropriate inquiry" requirement for establishing the innocent purchaser, contiguous property owner or bona fide prospective purchaser defenses to liability (collectively, Landowner Liability Protections) under CERCLA.



Phase I Assessment User Questionnaire

The information in this User Questionnaire is prepared and provided by the *user* to the environmental professional pursuant to 40 CFR 312.22. Pursuant to ASTM E 1527-13, the "user" is the party seeking to complete the environmental site assessment of the property and also any person seeking to establish one or more of the Landowner Liability Protections (LLPs) under CERCLA. A user may include, without limitation, a potential purchaser or potential tenant of the property, a lender or a property manager.

The information on this Questionnaire must be performed and/or provided by the User of the Phase I Assessment in order to potentially qualify for one of the *Landowner Liability Protections* under the Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended.

PERSON COMPLETING QUESTIONNAIRE: AREGORY S. BEAVERS
SUBJECT PROPERTY (address): 1400 AIRPARIC DR, FARMINGTON, HO
USER TYPE (purchaser, tenant, lender): OWNER.

**(1). Environmental cleanup liens, institutional controls and engineering controls that are filed or recorded against the site (40 CFR 312.25; ASTM Section 6.2).

Are there any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Yes / No If yes, please describe.

Are there any institutional controls (such as land use restrictions) or engineering controls (such as cap or engineered barriers) that are in place at the site and/or have been filed or recorded in land records or a registry under federal, tribal, state or local law?

Yes/No

If yes, please describe.

** Important Note: A search for environmental cleanup liens filed or recorded against the property is required, but is not the responsibility of the environmental professional. If you do not include in your Request for Phase I Assessment that Shannon & Wilson arrange for this activity, then you should engage a title company or other title professional for a comprehensive review of land title and judicial records for evidence of cleanup liens as well as any institutional or engineering controls recorded against the property. Please provide us with copies of surveys, chain of title and any other relevant land records obtained by your review. The ASTM Phase I Standard indicates that only the User commissioning the Phase I ESA must perform this task.



^{*} Note: Each person or entity that will rely on this Phase I ESA is considered a "User" and must also provide the information requested below. Make additional copies of this form for any additional Users.

(2) Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (LLPs) (40 CFR 312.28; ASTM Section 6.3).

Do you have any specialized knowledge or experience in connection with the property or nearby properties relevant to environmental matters? (For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?)

(Yes) No

If you do have such knowledge or experience, please describe.

PROPERTY HAS BEEN GUNED BY CITY OVER 30
YEARS

(3) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29; ASTM Section 6.5).

If the transaction at issue involves the purchase of the property, does the proposed purchase price for this property reasonably reflect the fair market value of the property? Yes / No / NA

If you conclude that the purchase price is less than the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? Yes / No (NA)

After such consideration, do you have reason to believe that the lower price is because of real or perceived contamination at the property?Yes / No /NA

(4) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30; ASTM Section 6.6).

Are you aware of commonly known or reasonably ascertainable information about the property or community that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:

Do you have information about the past uses of the property or adjoining property? Yes No If yes, please describe. PROPERTY HAS BEEN UNDEVELOPED AGRICULTURAL PROPERTY

Do you have information about specific chemicals that are present or once were present at the property?

Yes No
If yes, please describe.



Do you know of any spills or other releases of petroleum products, oil, chemicals, solvents or other hazardous materials at the property or adjoining property?

Yes No

If yes, please describe and/or attach copies of relevant documents/reports.

Do you know of any environmental cleanups or investigations that have taken place at the property or adjoining property? Yes No
If yes, please describe and/or attach copies of relevant documents/reports.

Do you have any environmental reports, permits, notices of violation or other documents concerning environmental matters at the property? Yes No lf yes, please attach copies.

(5) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31;).

Based on your knowledge and experience related to the property or the community, are you aware of any obvious indicators pointing to the presence or likely presence of contamination at the property?

Yes No

If yes, please describe.

(6) The purpose for the Phase I Environmental Site Assessment (ASTM Section 6.7).

Is the purpose for this Phase I to potentially qualify for the Landowner Liability Protections under CERCLA? Yes No

If not, what is the purpose for this Phase !?

PUE DILIGENCE AND APPLICATION FOR MO. DED

CERTIFICATION AS INDUSTRIAL SITE.

(7) Although you are not required to obtain any of the following documents, please provide us with copies of any of the following documents that you may already have in your possession or could easily obtain for our use.

ALTA Survey showing the boundary of the Property
Previous Environmental Site Assessment Reports (Phase I and/or Phase II reports)
Environmental Compliance Audit Reports
Environmental Permits (air, wastewater, stormwater, etc.)
Underground and Aboveground Storage Tank Registrations
Tank Removal or Investigation Reports
Governmental Notices relating to alleged violation of environmental laws



Appendix C

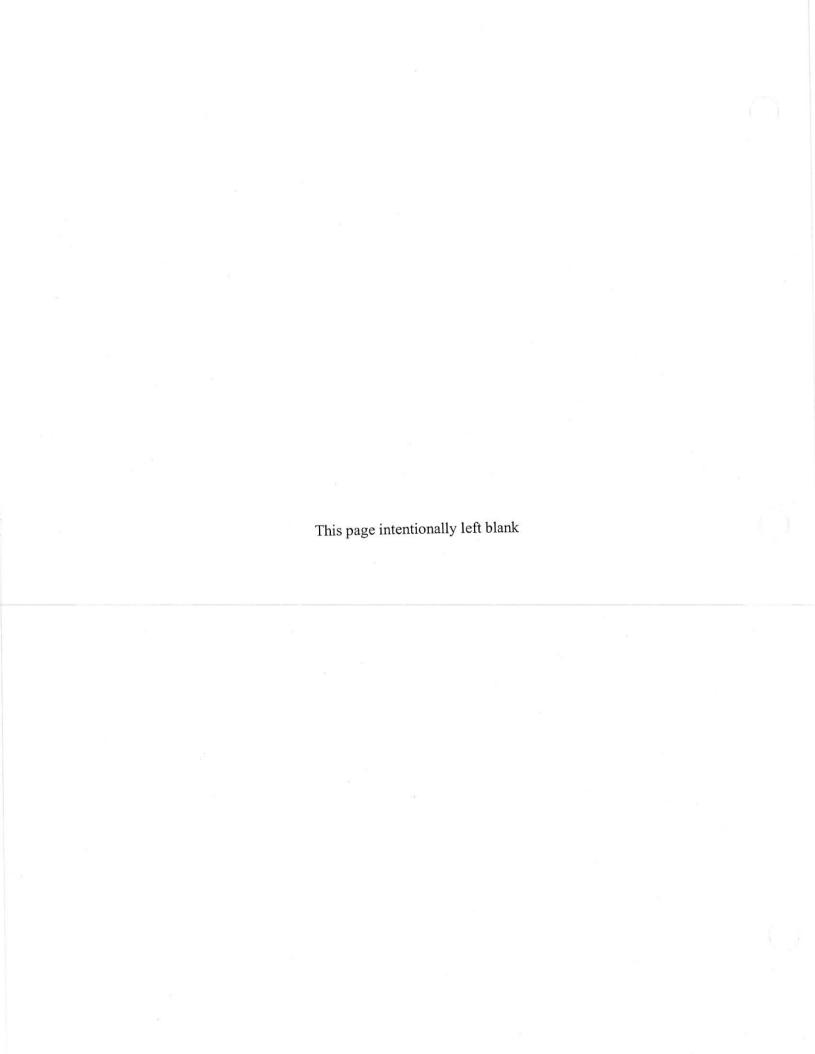




Photo: 1
View looking north from the northern Property limits.

1/29/2016



Photo: 2
View looking east from the northern portion of the Property.



Photo: 3

View looking north from the northern portion of the Property.

1/29/2016



Photo: 4
View looking west from the northern portion of the Property.

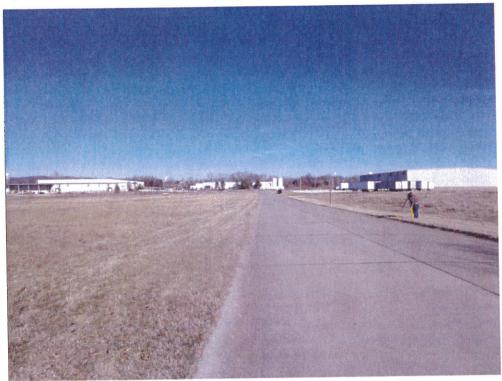


Photo: 5
View looking north along Air Park Drive.

1/29/2016

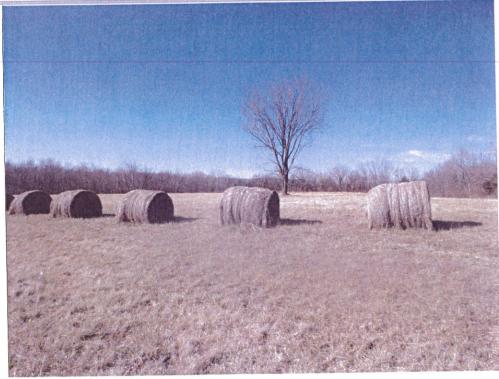


Photo: 6
View looking west of the central portion of the Property.





Photo: 7
View looking north of a wooded area on the Property.

1/29/2016



Photo: 8

View looking north from the southern portion of the Property.



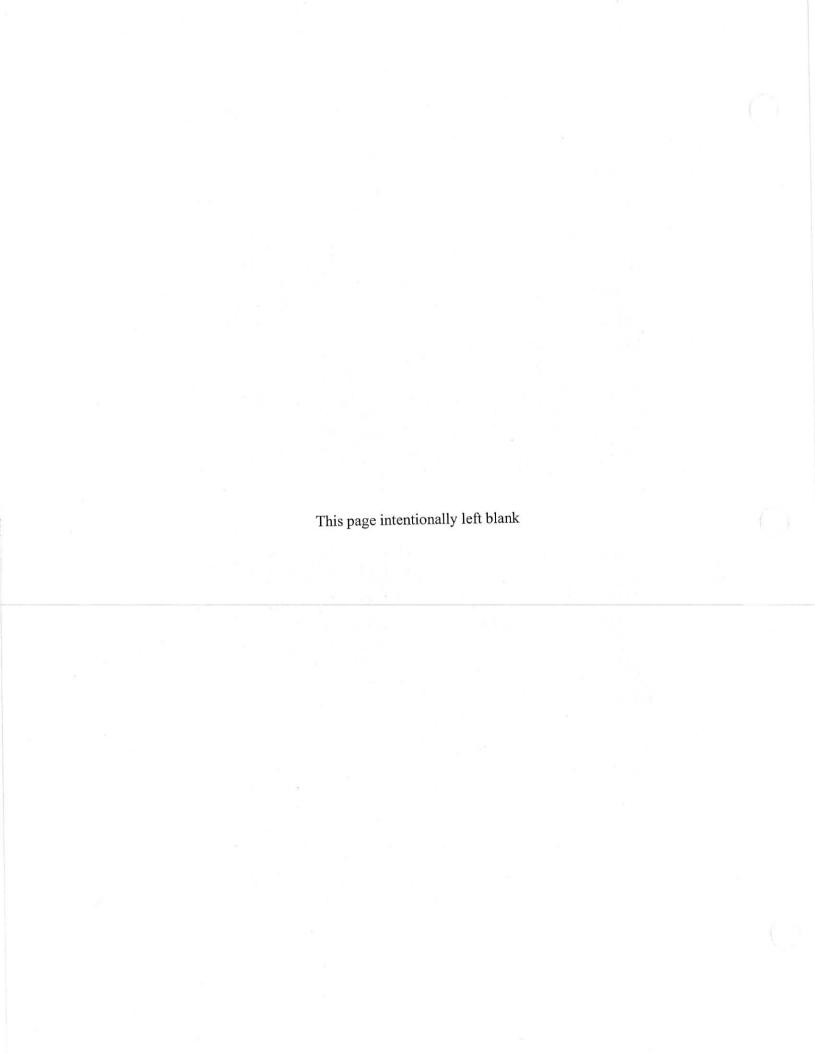
Photo: 9

View looking east from the southern portion of the Property.

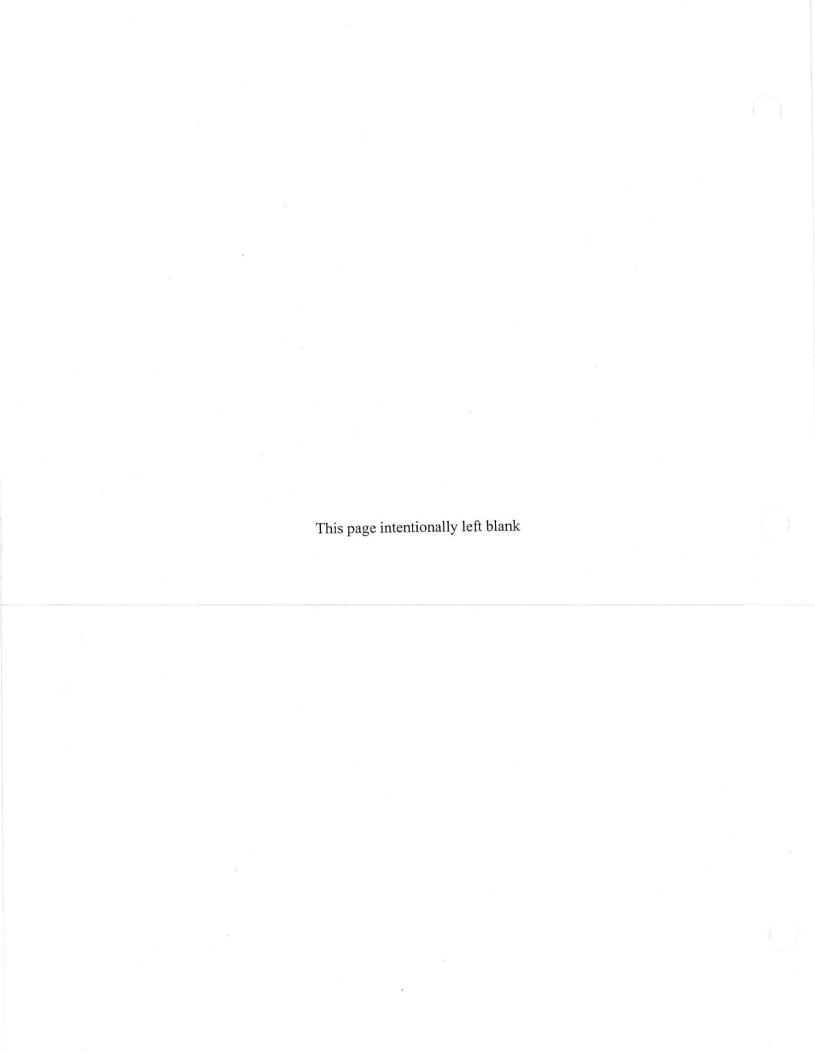
1/29/2016



Photo: 10
View looking west of the southern portion of the Property.



Appendix D



Lot A-1 and Lot A-2 Airpark Dr. Farmington, MO 63640

Inquiry Number: 4514973.2s

January 18, 2016

The EDR Radius Map™ Report with GeoCheck®



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Physical Setting Source Addendum	A-1
Physical Setting Source Summary	
Physical Setting SSURGO Soil Map.	
Physical Setting Source Map.	
Physical Setting Source Map Findings	
Physical Setting Source Records Searched	PSGR-

Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

AIRPARK DR. FARMINGTON, MO 63640

COORDINATES

Latitude (North):

37.7553000 - 37° 45' 19.08"

Longitude (West):

90.4389000 - 90° 26' 20.04"

Universal Tranverse Mercator: Zone 15

725627.4

UTM X (Meters): UTM Y (Meters):

4181549.2

Elevation:

873 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:

6727440 FARMINGTON, MO

Version Date:

2015

South Map:

6726962 WACHITA MOUNTAIN, MO

Version Date:

2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:

20120614

Source:

USDA

MAPPED SITES SUMMARY

Target Property Address: AIRPARK DR. FARMINGTON, MO 63640

Click on Map ID to see full detail.

MAP ID SITE NAME

ADDRESS

DATABASE ACRONYMS

RELATIVE DIST (ft. & mi.) ELEVATION DIRECTION

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Proposed NPL Site list NPL National Priority List Proposed NPL Proposed National Priority List Sites NPL LIENS Federal Superfund Liens
Federal Delisted NPL site list
Delisted NPL
Federal CERCLIS list
FEDERAL FACILITY Federal Facility Site Information listing CERCLISComprehensive Environmental Response, Compensation, and Liability Information System
Federal CERCLIS NFRAP site List
CERCLIS-NFRAP CERCLIS No Further Remedial Action Planned
Federal RCRA CORRACTS facilities list
CORRACTSCorrective Action Report
Federal RCRA non-CORRACTS TSD facilities list
RCRA-TSDFRCRA - Treatment, Storage and Disposal
Federal RCRA generators list
RCRA-LQG
RCRA-SQG RCRA - Small Quantity Generators RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator
Federal institutional controls / engineering controls registries
LUCISLand Use Control Information System US ENG CONTROLS Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent CERCLIS State and tribal landfill and/or solid waste disposal site lists SWF/LF_____Permitted Facility List State and tribal leaking storage tank lists LUST.....Leaking Underground Storage Tanks LAST.....Leaking Aboveground Storage Tanks
INDIAN LUST....Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists FEMA UST..... Underground Storage Tank Listing UST______Petroleum Storage Tanks AST______ Aboveground Petroleum Storage Tanks
INDIAN UST_____ Underground Storage Tanks on Indian Land State and tribal institutional control / engineering control registries AUL..... Sites with Controls State and tribal voluntary cleanup sites Voluntary Cleanup Program Site Listing INDIAN VCP..... Voluntary Cleanup Priority Listing State and tribal Brownfields sites BROWNFIELDS..... Brownfields Site List ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites Local Lists of Landfill / Solid Waste Disposal Sites SWRCY..... Solid Waste Recycling Facilities HIST LF..... Solid Waste Facility Database List DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations ODI...... Open Dump Inventory Local Lists of Hazardous waste / Contaminated Sites US HIST CDL______ National Clandestine Laboratory Register

CDL_____ Environmental Emergency Response System DEL SHWS...... Registry Sites Withdrawn or Deleted US CDL..... Clandestine Drug Labs Local Land Records LIENS 2..... CERCLA Lien Information Records of Emergency Release Reports HMIRS_____ Hazardous Materials Information Reporting System Other Ascertainable Records RCRA NonGen / NLR....... RCRA - Non Generators / No Longer Regulated FUDS...... Formerly Used Defense Sites DOD. Department of Defense Sites SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing US FIN ASSUR..... Financial Assurance Information EPA WATCH LIST..... EPA WATCH LIST 2020 COR ACTION.......... 2020 Corrective Action Program List TSCA...... Toxic Substances Control Act ROD...... Records Of Decision RMP..... Risk Management Plans RAATS......RCRA Administrative Action Tracking System PRP......Potentially Responsible Parties PADS PCB Activity Database System
ICIS Integrated Compliance Information System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) Material Licensing Tracking System COAL ASH DOE Steam-Electric Plant Operation Data COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List PCB TRANSFORMER...... PCB Transformer Registration Database RADINFO...... Radiation Information Database HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing DOT OPS..... Incident and Accident Data UMTRA....... Uranium Mill Tailings Sites LEAD SMELTERS...... Lead Smelter Sites US AIRS..... Aerometric Information Retrieval System Facility Subsystem US MINES..... Mines Master Index File FINDS_____Facility Index System/Facility Registry System AIRS..... Permit Facility Listing DRYCLEANERS Drycleaners in Missouri Listing Financial Assurance Information Listing MINES..... Industrial Mineral Mines Database NPDES......Permitted Facility Listing MO RRC..... Certified Hazardous Waste Resource Recovery Facilities

SMARS	Site Management and Reporting System
SIVIANO	LI : I' Wella Databasa
UIC	Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

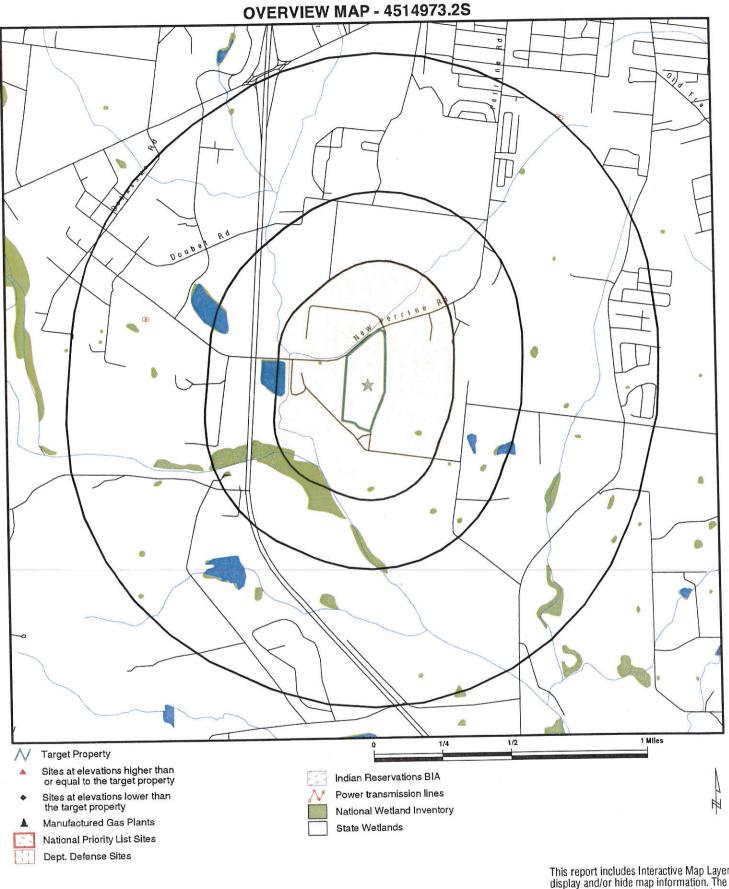
RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
	Descripted Covernment Affilive Juliu Waste Lacillius List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

There were no unmapped sites in this report.



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Lot A-1 and Lot A-2

Airpark Dr. ADDRESS: Farmington MO 63640 37.7553 / 90.4389

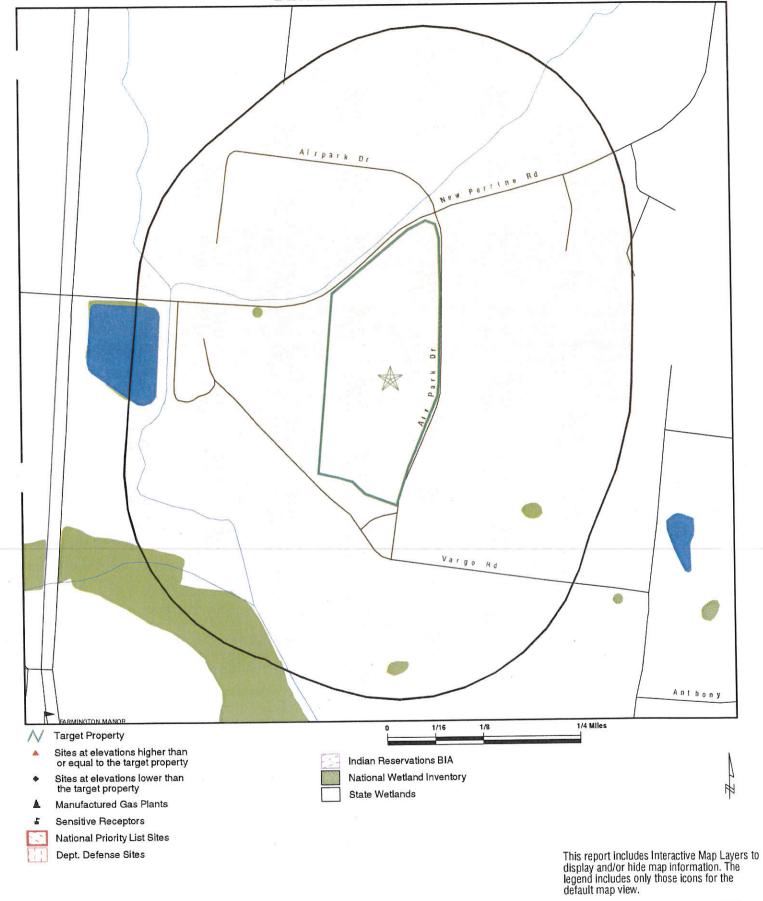
LAT/LONG:

Shannon & Wilson, Inc. CLIENT:

CONTACT: Mark Wieners INQUIRY #: 4514973.2s

January 18, 2016 8:25 am DATE:

DETAIL MAP - 4514973.2S



SITE NAME: Lot A-1 and Lot A-2 ADDRESS: Airpark Dr.

LAT/LONG:

Farmington MO 63640 37.7553 / 90.4389

CLIENT: Shannon & Wilson, Inc. CONTACT: Mark Wieners

INQUIRY #: 4514973.2s DATE: January 18, 2016 8:25 am

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL NPL LIENS	1.000 0.001		0	0 NR	0 NR	0 NR	NR NR	0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY CERCLIS	0.500 0.500		0	0 0	0	NR NR	NR NR	0
Federal CERCLIS NFRA	AP site List							
CERCLIS-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRA	CTS facilities	list						•
CORRACTS	1.000		0	. 0	. 0	0	NR	0
Federal RCRA non-CO	RRACTS TSD	facilities list					ND	•
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generate	ors list					ND	NID	0
RCRA-LQG	0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
RCRA-SQG RCRA-CESQG	0.250 0.250		Ö	Ö	NR	NR	NR	0
Federal institutional co	ontrols /							
engineering controls r	egistries			0	0	NR	NR	0
LUCIS	0.500 0.500		0 0	0 0	0	NR	NR	0
US ENG CONTROLS US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list							. I D	•
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equi	ivalent CERCL	_IS					ND	0
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfi solid waste disposal s	ll and/or site lists						NB	0
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	ig storage tan	k lists			2	. In	NID	0
LUST	0.500	,	0	0 0	0 0	NR NR	NR NR	0 0
LAST INDIAN LUST	0.500 0.500		0	0	0	NR	NR	0
State and tribal regist		tank lists						
FEMA UST	0.250		0	0	NR	NR	NR	0
1 2177 (3 3 1								

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institution control / engineering con	nal itrol registrie	es						
AUL	0.500		0	0	0	NR	NR	Ò
State and tribal voluntary	/ cleanup sit	es						2
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0	NR NR	NR NR	0
State and tribal Brownfie	elds sites					202		
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORD	<u>os</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY HIST LF INDIAN ODI DEBRIS REGION 9 ODI	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /					NB	ND	0
US HIST CDL CDL DEL SHWS US CDL	0.001 0.001 1.000 0.001		0 0 0	NR NR 0 NR	NR NR 0 NR	NR NR 0 NR	NR NR NR NR	0 0 0
Local Land Records							NID	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	Release Rep	oorts		2 22		ND	ND	0
HMIRS SPILLS SPILLS 90	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Re	ecords			95. kir		NE	ND	0
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST	0.250 1.000 1.000 0.500 0.001 0.001		0 0 0 0 0	0 0 0 0 NR NR	NR 0 0 0 NR NR	NR 0 0 NR NR NR	NR NR NR NR NR	0 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2 NR	1/2 - 1 NR	> 1 NR	Total Plotted 0
2020 COR ACTION	0.250 0.001		0	0 NR	NR	NR	NR	Ő
TSCA TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR NR	NR NR	0 0
PADS	0.001		0	NR	NR NR	NR	NR	0
ICIS	0.001		0 0	NR NR	NR	NR	NR	ő
FTTS	0.001		0	NR	NR	NR	NR	Ō
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001 0.500		0	0	0	NR	NR	0
COAL ASH EPA PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR NR	0
CONSENT	1.000		0	0	0	0 0	NR	0
INDIAN RESERV	1.000		0	0	0 0	NR	NR	0
UMTRA	0.500		0 0	NR	NR	NR	NR	Ö
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001 0.250		0	0	NR	NR	NR	0
US MINES	0.230		Ö	NR	NR	NR	NR	0
FINDS AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0 -
Financial Assurance	0.001		0	NR	NR	NR	NR NR	0 0
MINES	0.250		0	0	NR NR	NR NR	NR	0
NPDES	0.001		0	NR NR	NR	NR	NR	0
MO RRC	0.001		0	0	0	NR	NR	Ö
SMARS	0.500 0.001		0	NR	NR	NR	NR	0
UIC	0.001		Ü					
EDR HIGH RISK HISTORIC	CAL RECORDS							
EDR Exclusive Records	S							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0 0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	U
EDR RECOVERED GOVER	RNMENT ARCH	IVES						
Exclusive Recovered G	ovt. Archives	5						
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
	Sec. (1970) 27 (1970)						908	553
- Totals		0	0	0	0	0	0	0
61.5 C. 1810.7 (12.5 s)								

Search

Distance (Miles) Target Property

< 1/8 1/8 - 1/4

1/4 - 1/2

1/2 - 1 >

Total Plotted

NOTES:

Database

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID		MAP FINDINGS		
Direction				EDR ID Number
Distance	Cita		Database(s)	EPA ID Number
Elevation	Site			

NO SITES FOUND

	Zip Database(s)	
	Site Address	
ORPHAN SUMMARY	Site Name	NO SITES EQUIND
Count: 0 records.	City EDR ID Site Name	

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/30/2015 Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 01/04/2016

Number of Days to Update: 58

Source: EPA Telephone: N/A

Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5

Telephone 312-886-6686

EPA Region 10

Telephone 206-553-8665

EPA Region 6 Telephone: 214-655-6659

EPA Region 7

Telephone: 913-551-7247

EPA Region 8

Telephone: 303-312-6774

EPA Region 9

Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/30/2015 Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 01/04/2016

Number of Days to Update: 58

Source: EPA

Telephone: N/A

Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/30/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 58

Source: EPA Telephone: N/A

Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/06/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 7.03-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015 Number of Days to Update: 82

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Telephone: 913-551-7003 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016

Source: Environmental Protection Agency

Number of Days to Update: 82

Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015 Source: Environmental Protection Agency Telephone: 913-551-7003

Last EDR Contact: 12/18/2015

Number of Days to Update: 82

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 12/18/2015

Number of Days to Update: 82

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015 Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016

Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency Telephone: 703-603-0695

Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/29/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 08/28/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: 573-751-1990 Last EDR Contact: 12/28/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Quarterly

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includeds the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/19/2015

Number of Days to Update: 9

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 07/02/5007 Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/21/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 12/22/2015

Number of Days to Update: 28

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tanks.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 573-751-6822 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/07/2016

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Varies

UST: Petroleum Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

> Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/10/2015 Date Made Active in Reports: 10/22/2015 Number of Days to Update: 42

Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2015

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/14/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 60

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/07/2016

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/09/2016 Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/18/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 34

Source: Department of Natural Resources Telephone: 573-751-3176

Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 02/29/2016

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisiting

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/18/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/28/2015

Next Scheduled EDR Contact: 04/11/2016

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/18/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 34

Source: Department of Natural Resources Telephone: 573-526-8913

Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/21/2015 Date Data Arrived at EDR: 09/23/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 103

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/21/2015

Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 08/16/2014 Date Data Arrived at EDR: 08/19/2014 Date Made Active in Reports: 09/08/2014

Number of Days to Update: 20

Source: Department of Natural Resources

Telephone: 573-526-3944 Last EDR Contact: 11/25/2015

Next Scheduled EDR Contact: 03/14/2016

Data Release Frequency: Varies

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005 Date Data Arrived at EDR: 07/19/2006 Date Made Active in Reports: 08/18/2006

Number of Days to Update: 30

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/06/2015

Next Scheduled EDR Contact: 02/15/2016

Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: No Update Planned

CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 573-751-3443 Last EDR Contact: 12/21/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Varies

DEL SHWS: Registry Sites Withdrawn or Deleted

A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 08/28/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: 573-522-3710 Last EDR Contact: 12/28/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Annually

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/25/2015

Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/30/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 573-526-3349 Last EDR Contact: 12/21/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/16/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/16/2015 Next Scheduled EDR Contact: 01/25/2016

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011 Number of Days to Update: 54 Source: Environmental Protection Agency Telephone: 615-532-8599

Telephone: 615-532-8599 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 02/29/2016

Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015 Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 11/13/2015

Number of Days to Update: 61

Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/10/2015

Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015 Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016

Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Number of Days to Update: 6

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 14

Source: EPA Telephone: 202-260-5521 Last EDR Contact: 12/23/2015 Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/12/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667

Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/26/2015 Date Data Arrived at EDR: 07/10/2015 Date Made Active in Reports: 10/13/2015 Number of Days to Update: 95

Telephone: 301-415-7169 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

Source: Nuclear Regulatory Commission

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/13/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014 Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 10/29/2015

Date Made Active in Reports: 01/10/2012 Number of Days to Update: 83

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/07/2016

Number of Days to Update: 69

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/07/2015

Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 12/23/2015

Next Scheduled EDR Contact: 04/11/2016

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/16/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 64 Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 01/08/2016 Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/22/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/22/2015

Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2015 Date Data Arrived at EDR: 09/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/03/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49 Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Source: USGS

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97

Telephone: 703-648-7709 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016

Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015 Number of Days to Update: 55

Source: EPA Telephone: (913) 551-7003 Last EDR Contact: 12/10/2015

Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/18/2015 Date Made Active in Reports: 07/01/2015 Number of Days to Update: 13 Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 12/29/2015

Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 10/05/2015 Date Data Arrived at EDR: 10/07/2015 Date Made Active in Reports: 10/22/2015 Source: Department of Natural Resources

Telephone: 573-526-1825 Last EDR Contact: 10/05/2015

Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Varies

DRYCLEANERS: Drycleaners in Missouri Listing

Number of Days to Update: 15

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 08/27/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 12/02/2015 Number of Days to Update: 78

Source: Department of Natural Resources Telephone: 573-526-8913

Last EDR Contact: 09/15/2015

Next Scheduled EDR Contact: 12/28/2015 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 12/07/2015
Date Data Arrived at EDR: 12/11/2015
Date Made Active in Reports: 12/22/2015

Number of Days to Update: 11

Source: Department of Natural Resources

Telephone: 573-751-3553 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 12/08/2015 Date Data Arrived at EDR: 12/09/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 13

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/21/2016

Data Release Frequency: Varies

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 09/12/2014 Date Data Arrived at EDR: 10/23/2014 Date Made Active in Reports: 12/01/2014

Number of Days to Update: 39

Source: Department of Natural Resources

Telephone: 573-751-4041 Last EDR Contact: 10/23/2015

Next Scheduled EDR Contact: 02/01/2016

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 10/28/2015 Date Data Arrived at EDR: 11/20/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 573-751-7023 Last EDR Contact: 01/05/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Varies

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 09/14/2015 Date Data Arrived at EDR: 09/18/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Semi-Annually

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/08/2015 Date Made Active in Reports: 12/22/2015

Number of Days to Update: 44

Source: Department of Natural Resources

Telephone: 573-751-3043 Last EDR Contact: 11/08/2015

Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 03/02/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 09/14/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: 573-368-2183 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/15/2014 Number of Days to Update: 198

Source: Department of Natural Resources Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Number of Days to Update: 186

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Telephone: 860-424-3375 Last EDR Contact: 11/16/2015

Number of Days to Update: 45

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/02/2015 Date Data Arrived at EDR: 11/08/2015 Date Made Active in Reports: 12/09/2015 Number of Days to Update: 31

Source: Department of Environmental Conservation

Source: Department of Energy & Environmental Protection

Telephone: 518-402-8651 Last EDR Contact: 11/08/2015

Next Scheduled EDR Contact: 02/15/2016 Data Release Frequency: Annually

PA MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 08/18/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities Source: Department of Health & Senior Services

Telephone: 573-751-2450

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LOT A-1 AND LOT A-2 AIRPARK DR. FARMINGTON, MO 63640

TARGET PROPERTY COORDINATES

Latitude (North):

37.7553 - 37° 45' 19.08"

Longitude (West):

90.4389 - 90° 26' 20.04"

Universal Tranverse Mercator: Zone 15

UTM X (Meters): UTM Y (Meters):

725627.4 4181549.2

Elevation:

873 ft. above sea level

USGS TOPOGRAPHIC MAP

6727440 FARMINGTON, MO

Target Property Map: Version Date:

2015

2015

South Map:

6726962 WACHITA MOUNTAIN, MO

Version Date:

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

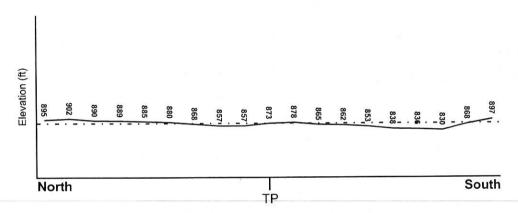
TOPOGRAPHIC INFORMATION

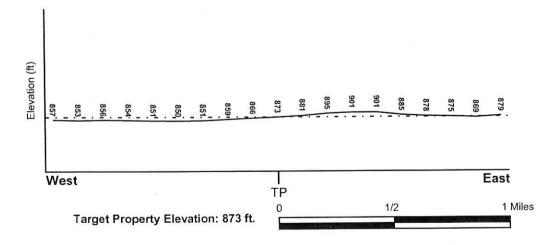
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood

Target Property County

Electronic Data Not Available

ST FRANCOIS, MO

Flood Plain Panel at Target Property:

Not Reported

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

FARMINGTON

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1,000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

> MAP ID Not Reported

LOCATION

FROM TP

GENERAL DIRECTION

GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Era: System: Paleozoic

Cambrian

Series:

Cambrian

Code:

C (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4514973.2s 6

SITE NAME: Lot A-1 and Lot A-2 ADDRESS: Airpark Dr.

Target Property SSURGO Soil

// Water

Farmington MO 63640 37.7553 / 90.4389 LAT/LONG:

CLIENT: Shannon & vviico...
CONTACT: Mark Wieners
INQUIRY #: 4514973.2s
DATE: January 18, 2016 8:26 am

1.4 Miles

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name:

Crider

Soil Surface Texture:

silt loam

Hydrologic Group:

Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class:

Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

			Soil Layer	Information			
400-000-00-00-00-00-00-00-00-00-00-00-00	Bou	undary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Oon Houdin
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	27 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	27 inches	72 inches	clay	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5

Soil Map ID: 2

Soil Component Name:

Crider

Soil Surface Texture:

silt loam

Hydrologic Group:

Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class:

Well drained

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

	Boundary			Classification		Saturated hydraulic	S. C.
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	27 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	27 inches	72 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5

Soil Map ID: 3

Soil Component Name:

Auxvasse

Soil Surface Texture:

silt loam

Hydrologic Group:

Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class:

Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 46 inches

			Soil Layer	Information			
Boundary				Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 5.6
2	12 inches	27 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 5.5 Min: 4.5

			Soil Layer	Information			
	Bou	ndary		Classif	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
3	27 inches	70 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name:

Elsah

Soil Surface Texture:

silt loam

Hydrologic Group:

Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class:

Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

			Soil Layer	Information			
Boundary				Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	18 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	18 inches	59 inches	very gravelly	Not reported	Not reported	Max: 141 Min: 14	Max: 7.3 Min: 6.6

Soil Map ID: 5

Soil Component Name:

Fourche

Soil Surface Texture:

silt loam

Hydrologic Group:

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class:

Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min:

> 208 inches

Depth to Watertable Min:

> 69 inches

	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	33 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 6 Min: 4.5
3	33 inches	79 inches	silty clay	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.8 Min: 4.5
4	79 inches	83 inches	bedrock	Not reported	Not reported	Max: 0.11 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name:

Nicholson

Soil Surface Texture:

silt loam

Hydrologic Group:

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 61 inches

			Soil Layer	Information			
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5

			Soil Layer	Information			
Kitanovi imari iznimbi	Bou	ndary	Soil Texture Class	Classification		Saturated hydraulic	
Layer	Upper	Lower		AASHTO Group	Unified Soil	conductivity micro m/sec (pH)	Oon Roudion
2	7 inches	25 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	25 inches	38 inches	silt loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6.5 Min: 4.5
4	38 inches	64 inches	silty clay	Not reported	Not reported	Max: 4 Min: 0.42	Max: 7.8 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE

SEARCH DISTANCE (miles)

Federal USGS

1.000

Federal FRDS PWS

Nearest PWS within 0.001 miles

State Database

1.000

FEDERAL USGS WELL INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

3 B11 USGS40000690673 USGS40000690683 1/4 - 1/2 Mile ESE 1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

A1

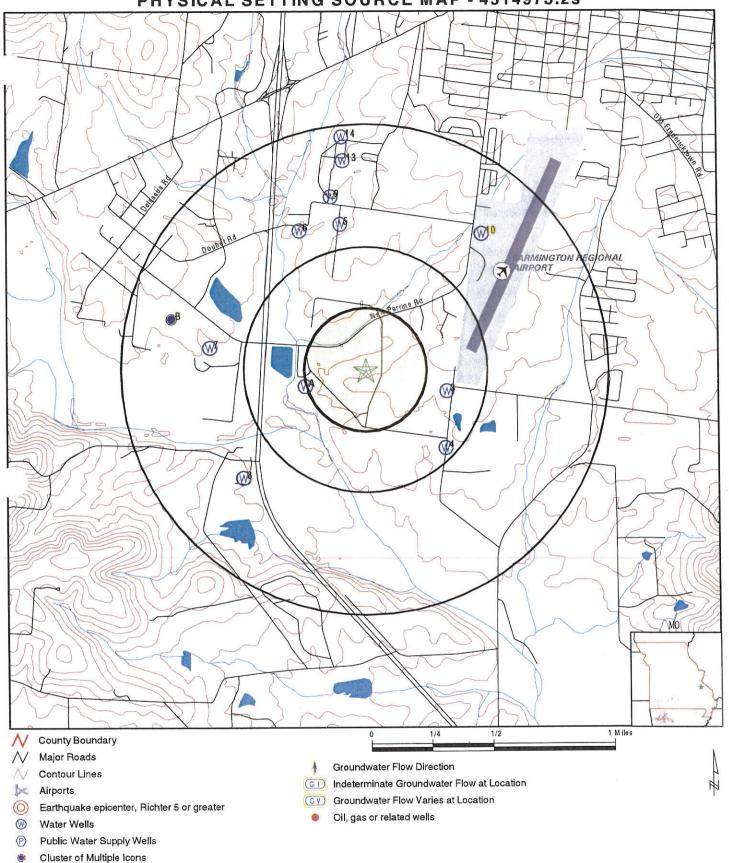
MOLOG1000008816

1/8 - 1/4 Mile West

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	MO6000000002730	1/4 - 1/2 Mile WSW
4	MOLOG1000008789	1/4 - 1/2 Mile SE
5	MOLOG1000008882	1/2 - 1 Mile North
6	MOLOG1000008877	1/2 - 1 Mile NNW
7	MO600000002734	1/2 - 1 Mile West
8	MO6000000002720	1/2 - 1 Mile SW
9	MO600000002745	1/2 - 1 Mile North
10	MOLOG1000008875	1/2 - 1 Mile NE
B12	MO600000002737	1/2 - 1 Mile WNW
13	MOLOG1000008908	1/2 - 1 Mile North
14	MO600000002751	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 4514973.2s



SITE NAME: Lot A-1 and Lot A-2 ADDRESS: Airpark Dr.

Farmington MO 63640 37.7553 / 90.4389 LAT/LONG:

CLIENT: Shannon & Wi CONTACT: Mark Wieners Shannon & Wilson, Inc.

INQUIRY#: 4514973.2s

January 18, 2016 8:26 am DATE:

Map ID			
Direction			
Distance Elevation			Database EDR ID Number
A1			
West 1/8 - 1/4 Mile			MO WELLS MOLOG1000008816
Lower			
ld:	027373	Located:	Υ
Notenough:	Not Reported	Scale:	24k
Locator:	Michael Lemon - Interpolated	Stname:	MISSOURI
Stabbrev:	MO	County:	ST. FRANCOIS
Utm x:	725247.81255		
Utm y:	4181466.03277		,
Latitude:	37.75464		
Longitude:	-90.44323	01.0	OW
Qtr3: Qtr1:	SE NE	Qtr2:	SW
Section:	NE 11		
Tnsp:	35		
Tnspdir:	Not Reported		
Rng:	5		
Rngdir:	E		
Plssx:	724924		
Plssy:	4180695		
Location p:	19		
Elev:	860		
Idnum:	27373		
Swl:	30	GC 17	
Quadrangle:	FARMINGTON	Site id:	MOLOG1000008816
Header Information:			
ld:	027373	Well type:	Community Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)		ST. FRANÇOIS
Fips:	187	Stname:	MISSOURI
Clabbasin			MICCOOT II
Stabbrev:	MO	Qtr3:	SE
Qtr2:	SW	Qtr1:	SE NE
Qtr2: Section:	SW 11	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir:	SW 11 N	Qtr1:	SE NE
Qtr2: Section: Tnspdir: Rngdir:	SW 11 N E	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir: Rngdir: Latitude:	SW 11 N E 37.754	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude:	SW 11 N E 37.754 -90.44364	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x:	SW 11 N E 37.754 -90.44364 725247.81255	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277	Qtr1: Tnsp:	SE NE 35
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x:	SW 11 N E 37.754 -90.44364 725247.81255	Qtr1: Tnsp: Rng:	SE NE 35 05
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON	Qtr1: Tnsp: Rng: Ohio code:	SE NE 35 05
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3:	SE NE 35 05 37090G4 24k S Not Reported
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported 1973/09/00	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported Not Reported 1973/09/00 860	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: LImeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported Not Reported 1973/09/00 860 S	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported Not Reported 1973/09/00 860 S G	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs: Depthbed:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported 1973/09/00 860 S G 5	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger: Prodyld:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs: Depthbed: Sampsav:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported 1973/09/00 860 S G 5	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs: Depthbed: Sampsav: Swlb:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported 1 Not Reported 1973/09/00 860 S G 5 0 Not Reported	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger: Prodyld:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs: Depthbed: Sampsav: Swlb: Water at:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported 1973/09/00 860 S G 5	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger: Prodyld:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K.
Qtr2: Section: Tnspdir: Rngdir: Latitude: Longitude: Utm x: Utm y: Quadmap na: Llmeas: Locator: Typelog2: Ownerind: Leasenam: Drldate: Logdate: Elev: Elevbase: Gpmcfs: Depthbed: Sampsav: Swlb:	SW 11 N E 37.754 -90.44364 725247.81255 4181466.03277 FARMINGTON D Interpolated Not Reported 1 Not Reported Not Reported 1973/09/00 860 S G 5 0 Not Reported Not Reported Not Reported	Qtr1: Tnsp: Rng: Ohio code: Scale: Typelog1: Typelog3: Owner: Driller: Permit: Logger: Prodyld: Swla:	SE NE 35 05 37090G4 24k S Not Reported City of Farmington Well #13 Clark & Son Not Reported Anderson, K. 470

0 Intcrdbt: Not Reported Aquclass: Drawdown: 334 Reldate: Not Reported Confind: Probind2: Not Reported Not Reported Probind1: PUBLIC DRINKING WATER Additional: Probind3: Not Reported 4010270 Add databa: PW Alagncy1: Add data 1: Not Reported Not Reported Addition 1: Add data 2: Not Reported Not Reported Alnum2: Rmkind: Add data 3: Not Reported @ SEWAGE PLANT Remarks: C plugind: Not Reported C total: C remarks: Not Reported Strata Information: 0 Stratordr: ld: 027373 Fmtop: Fmbot: 5 Formation: SOIL Primlith: CLAY Not Reported Minlith: Not Reported Seclith: Primmin: Not Reported Primocc: 0 Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 46600 Stratordr: 027373 ld: Fmtop: 5 745 Fmbot: Formation: CAMBRIAN SYSTEM Primlith: Not Reported Not Reported Not Reported Minlith: Seclith: Primmin: Not Reported Primocc: Secmin: Not Reported Secocc: Minrmin: Not Reported Minrocc: Not Reported Rmk20: Strata Information: 46700 027373 Stratordr: ld: Fmtop: 5 745 Fmbot: UPPER CAMBRIAN SERIES Formation: Primlith: Not Reported Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin:

Secocc: Minrmin:

Not Reported

Minrocc: Rmk20: Not Reported Strata Information: Stratordr: 47600 027373 Fmtop: 5 350 Fmbot: BONNETERRE FORMATION Formation: DOLOMITE Primlith: SAND Minlith: SHALE Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 48200 Stratordr: 027373 ld: Fmtop: 350 745 Fmbot: LAMOTTE SANDSTONE Formation: SANDSTONE Primlith: DOLOMITE Not Reported Minlith: Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 48500 Stratordr: 027373 ld: 745 Fmtop: 750 Fmbot: PRECAMBRIAN ERATHEM Formation: **GRANITE** Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Rmk20: Not Reported Strata Information: 99900 Stratordr: 027373 ld: Fmtop: 750 750 Fmbot: TOTAL DEPTH Formation: Primlith: Not Reported Minlith: Not Reported Not Reported Seclith: Not Reported Primmin: Primocc:

Not Reported

Not Reported

Seconin: Secocc:

Minrmin:

Minrocc:

Rmk20:

Not Reported

Not Reported

Remarks:

Remarks:

Agency:

027373

GS

Feature:

Fileid:

WC

H

100495

4010270

13

C

10376

29187

1973

860

10

0

Cement Grout

0

Southeast

Not Reported

MO4010270

A2 WSW 1/4 - 1/2 Mile Lower

MO WELLS

MO6000000002730

Objectid: Logid: Pwssname: Pwssidext:

lpwsext:

Factype: Status:

Ddlat:

Ddlong:

Localname:

Well #13 City

Active 37.754 -90.44364

Mapname: County: Mdnrnum: Aban: Material:

Form cd: Form td:

Totdepth: Topseal: Casedepth:

Casetype: Topcaseelv: Caseheight: Outcasesiz: Scrnsize: Yield: Drawdown: Pumptype: Pumpdepth: Meter:

Method: Locstatus: Lastupdate: Welldist:

Gwudisw:

Surfdrain:

Voc:

Chlor:

515 027373

Farmington 4010270113 MO4010270113

Farmington St. Francois

Consolidated Bonneterre

Precambrian 750

Cement Grout 300 Steel 0

Y Ν Ν Not Reported DOQQ Verified

2005/09/08 2272.39990234375 Uniqueid: Wwimsid: Pwssid:

Ipws: Wellnum: Wellid: Fed type:

> Fips: Mdnrreg: Drilldate:

Plug:

Grndelev: Botseal: Casesize:

Outcasedep:

Scrnlength:

Pumptestda:

Pumpmanuf:

Pumpcapaci:

Stdbypwr:

Nitrate:

Stappr:

Accuracy:

Entry:

Filter:

Staticleve:

Head:

-9999 85 496 2001 Grundfos 300 Ν Ν

Verloc: Tweyrswa: Site id:

N Υ Y

33 Υ 1110

MO6000000002730

ESE 1/4 - 1/2 Mile Higher

FED USGS

USGS40000690673

Org. Identifier:

USGS-MO

Formal name:

USGS Missouri Water Science Center

Monloc Identifier:

USGS-374515090255601

Monloc name:

Farmington

Monloc type:

Well

Monloc desc:

DNR Observation Well

Huc code:

08020202 Not Reported

Drainagearea value: Contrib drainagearea: Not Reported Not Reported

Drainagearea Units: Contrib drainagearea units: Not Reported

Latitude:

37.7540234

Longitude:

-90.4328173

Sourcemap scale: Horiz Acc measure units: 24000

Horiz Acc measure:

Global positioning system (GPS), uncorrected

seconds

Horiz Collection method: Horiz coord refsys:

NAD83

Vert measure val:

890

Vert measure units:

feet

Vertacc measure val:

10

Vert accmeasure units: Vertcollection method:

feet

Interpolated from topographic map

Vert coord refsys:

NAVD88

Countrycode:

US

Aquifername: Formation type: Ozark Plateaus aquifer system

Lamotte Sandstone

Unconfined single aquifer

Welldepth:

325

Aquifer type: Construction date: Welldepth units:

Not Reported ft

Wellholedepth:

325

Wellholedepth units:

ft

Ground-water levels, Number of Measurements: 0

1/4 - 1/2 Mile Lower

Id:

017332

Located:

Notenough:

Not Reported

Scale:

24k

SW

Locator:

Michael Lemon - Interpolated

Stname: County:

Qtr2:

MISSOURI ST. FRANCOIS

MO WELLS

MOLOG1000008789

Stabbrev: Utm x:

MO 726166.8128

Utm y:

4181050.03175

Latitude:

37.75067 -90.43294

Longitude: Qtr3:

NE

Qtr1:

SW

Section:

Tnsp:

12 35

Tnspdir:

Not Reported

Rng:

Rngdir: Plssx:

Plssy:

Ε 726516 4180997

Location p: Elev: Idnum:

56 870 17332

40

Swl: Quadrangle:

FARMINGTON

Site id:

MOLOG1000008789

Header Information:			
Header Information:	017332	Well type:	Private Well
ld:			ST. FRANCOIS
Agencyname:	GEOLOGICAL SURVEY (DGLS)		MISSOURI
Fips:	187	Stname:	NE
Stabbrev:	MO	Qtr3:	SW
Qtr2:	SW	Qtr1:	
Section:	12	Tnsp:	35
Tnspdir:	N	Rng:	05
Rngdir:	E		
Latitude:	37.75067		
Longitude:	-90.43294		
Utm x:	726166.8128		
Utm y:	4181050.03175		
Quadmap na:	FARMINGTON	Ohio code:	37090G4
Llmeas:	D	Scale:	24k
Locator:	Interpolated	Typelog1:	S
Typelog2:	Not Reported	Typelog3:	Not Reported
Ownerind:	0	Owner:	Vergo, Leonard
Leasenam:	Not Reported	Driller:	Bloomsdale Excavating Co
Drldate:	1958/07/03	Permit:	Not Reported
Logdate:	1958/07/28	Logger:	Wells, J.
Elev:	870	_0990	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Elevbase:	S	Prodyld:	6
	G	i rodyta.	
Gpmcfs:	10		
Depthbed:	1	Swla:	40
Sampsav:		Swia.	40
Swlb:	Not Reported		
Water at:	Not Reported	Farmation:	BONNETERRE FORMATION
Totdepth:	183	Formation :	BONNETERRE FORMATION
Formation1:	BONNETERRE FORMATION		
Interdtp:	0		
Intcrdbt:	0	at a section of the s	N. J. D d. d
Drawdown:	Not Reported	Aquelass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	Not Reported
Alagncy1:	Not Reported	Add databa:	Not Reported
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	N
Remarks:	2 MIS OF FARMINGTON, 1 MIS	OF HOLPITAL #4	
C total:	23	C plugind:	Not Reported
C remarks:	Not Reported		
Construction Information			
ld:	017332	Well type:	Not Reported
Agencyname:	Not Reported	Datecomp:	0
Plugind:	Not Reported	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	23	102	
Cas Idpuil. Cas Idiam:	6		
	0		
Cas2dpth:	0		
Cas2diam:			
Cas3dpth:	0		
Cas3diam:			
	0		

Cas4dpth: 0 0 Cas4diam: Not Reported Not Reported Typgrt1: Inout1: Typgrt3: Not Reported Not Reported Typgrt2: Not Reported Rigtype: Not Reported Mthgrout: Not Reported Not Reported Rmkind: Weltreat: Not Reported Dateabnd: Plgdpt1b: 0 Plgdpt1t: Not Reported Multcase: Szcashol: 6 Szbelcas: Sizscrn: 0 Slotsize: 0 0 Lenscrn: Not Reported Typedev: Not Reported Typescrn: Not Reported Typepump: 0 Pumpcap: 0 Pumptdh: Pumpset: Not Reported Typecomp: Perfintt: Perfintb: Not Reported Gasprod: Not Reported Oilprod: Not Reported Remarks: Tubepres: Not Reported **BONNETERRE FORMATION** Formation: Not Reported Other data: BONNETERRE FORMATION Formation1: Strata Information: 0 Stratordr: 017332 ld: Fmtop: 0 Fmbot: 10 SOIL Formation: CLAY Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: Not Reported Minrmin: Minrocc: Rmk20: Not Reported Strata Information: Stratordr: 46600 017332 ld: Fmtop: 10 Fmbot: 183 CAMBRIAN SYSTEM Formation: Not Reported Primlith: Minlith: Not Reported Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin:

Stratordr:

Minlith:

Stratordr:

Minlith:

Minrocc:

Rmk20:

Not Reported

Strata Information:

017332

10

Fmtop: Fmbot:

183

Formation:

UPPER CAMBRIAN SERIES

Primlith:

Not Reported

Seclith:

Not Reported Not Reported

Primmin: Primocc:

Secmin:

Not Reported

Secocc:

Minrmin: Minrocc: Not Reported

Rmk20:

Not Reported

Strata Information:

ld:

017332

Fmtop: Fmbot: 10 183

BONNETERRE FORMATION

Formation: Primlith:

DOLOMITE

Seclith:

SANDSTONE

Primmin:

Not Reported

Primocc:

Secmin:

Not Reported

Secocc:

Not Reported

Minrmin: Minrocc:

Rmk20: Not Reported

Strata Information:

ld:

017332

Stratordr:

Minlith:

99900

Not Reported

46700

Not Reported

47600

CHERT

Fmtop:

183 183

Fmbot: Formation:

TOTAL DEPTH

Primlith:

Not Reported

Seclith:

Not Reported

Primmin:

Not Reported

Primocc:

Secmin:

Not Reported

Secocc:

Minrmin:

Not Reported

Not Reported

Minrocc:

Rmk20:

MO WELLS

MOLOG1000008882

North 1/2 - 1 Mile Higher

			Υ
ld:	000201	Located:	
Notenough:	Not Reported	Scale:	24k
Locator:	Michael Lemon - Interpolated	Stname:	MISSOURI
Stabbrev:	MO	County:	ST. FRANCOIS
Utm x:	725437.92377		
Utm y:	4182497.04505		
Latitude:	37.76388		
Longitude:	-90.44075		
Qtr3:	C	Qtr2:	SE
	SE		
Qtr1:	2		
Section:	35		
Tnsp:			
Tnspdir:	Not Reported		
Rng:	5		
Rngdir:	E		
Plssx:	-1		
Plssy:	-1		
Location p:	-1		
Elev:	888		
Idnum:	5254		
Swl:	0		
Quadrangle:	FARMINGTON	Site id:	MOLOG1000008882
Quadrangio.	a Probable Share Constitution		
Header Information:			
ld:	005254	Well type:	Community Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	County:	ST. FRANCOIS
Fips:	187	Stname:	MISSOURI
Stabbrev:	MO	Qtr3:	С
Qtr2:	SE	Qtr1:	SE
3.00	02	Tnsp:	35
Section:	N	Rng:	05
Tnspdir:	E	rang.	
Rngdir:			
Latitude:	37.76903		
Longitude:	-90.44061		
Utm x:	725437.92377		
Utm y:	4182497.04505	Obligated as	37090G4
Quadmap na:	FARMINGTON	Ohio code:	
Llmeas:	D	Scale:	24k
Locator:	Interpolated	Typelog1:	D
Typelog2:	Not Reported	Typelog3:	S
Ownerind:	1	Owner:	Farmington Correction Center W#1
Leasenam:	Not Reported	Driller:	Goggins, L.
Drldate:	1939/02/00	Permit:	Not Reported
Logdate:	Not Reported	Logger:	Grohskopf
Elev:	888		
	S	Prodyld:	245
Elevbase: Gpmcfs:	Not Reported	5440000 54100 3 4 540000	
	5		
Depthbed:		Swla:	75
Sampsav:	1	Owia.	
Swlb:	Not Reported		
Water at:	325-650'	Farmation:	BONNETERRE FORMATION
Totdepth:	660	Formation :	BONNETERIAL FORWATION
Formation1:	PRECAMBRIAN ERATHEM		
Intordtp:	0		

Intcrdbt:	0		
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	PUBLIC DRINKING WATER
	And the second s	Add databa:	4069041
Alagncy1:	F		
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	Υ
Remarks:	formerly in name of State Hosp	ital #4 Well #5 - @ FARMINGTON	
C total:	220	C plugind:	N
		o piagina.	
C remarks:	Not Reported		
0	No.	,	
Construction Informa		M-II to a se	Noncommunity Public Well
ld:	005254	Well type:	
Agencyname:	GEOLOGICAL SURVEY (DO	GLS) Datecomp:	193902
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	220		
Cas1diam:	10		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
1. The state of th			
Cas4diam:	0	T 44.	Not Reported
Inout1:	0	Typgrt1:	
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Datcabila.	Hot Hopoitou		
Dladat1h:	0		
Plgdpt1b:	0		
Plgdpt1t:	0		
	0 N		
Plgdpt1t:	0 N 0		
Plgdpt1t: Multcase:	0 N		
Plgdpt1t: Multcase: Szcashol:	0 N 0		
Plgdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn:	0 N 0 0		
Plgdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize:	0 N 0 0 0		
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn:	0 N 0 0 0 0	Typedey	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn:	0 N 0 0 0 0 0 Not Reported	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump:	0 N 0 0 0 0 0 Not Reported Not Reported	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap:	0 N 0 0 0 0 0 Not Reported Not Reported 0	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump:	0 N 0 0 0 0 0 Not Reported Not Reported	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap:	0 N 0 0 0 0 0 Not Reported Not Reported 0	Typedev:	0
Plgdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset:	0 N 0 0 0 0 Not Reported Not Reported 0 0	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp:	0 N 0 0 0 0 Not Reported Not Reported 0 0 0 Not Reported	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0	Typedev:	0
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0		
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod:	Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks:	Not Reported Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod:	Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data:	0 N 0 0 0 Not Reported Not Reported O 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1:	0 N 0 0 0 Not Reported Not Reported O 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1:	0 N 0 0 0 Not Reported Not Reported O 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported 0 PRECAMBRIAN ERATHEN	Gasprod: Remarks: Formation : VI	Not Reported Not Reported
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id:	0 N 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported 0 PRECAMBRIAN ERATHEN	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN	Gasprod: Remarks: Formation : VI	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot:	0 N 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5	Gasprod: Remarks: Formation : VI	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscm: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation :	0 N 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL	Gasprod: Remarks: Formation : VI	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot:	0 N 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscm: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation :	0 N 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL	Gasprod: Remarks: Formation : VI	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscm: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation: Primlith: Seclith:	0 N 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY Not Reported	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation: Primlith: Seclith: Primmin:	0 N 0 0 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY Not Reported Not Reported	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation: Primlith: Seclith: Primmin: Primocc:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Solution Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY Not Reported Not Reported	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation: Primlith: Seclith: Primmin: Primocc: Secmin:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY Not Reported Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION
Pigdpt1t: Multcase: Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation: Primlith: Seclith: Primmin: Primocc:	0 N 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Solution Reported PRECAMBRIAN ERATHEN 005254 0 5 SOIL CLAY Not Reported Not Reported	Gasprod: Remarks: Formation : M	Not Reported Not Reported BONNETERRE FORMATION

0 Minrocc: Rmk20: Not Reported Strata Information: 46600 Stratordr: 005254 Fmtop: 659 Fmbot: CAMBRIAN SYSTEM Formation: Primlith: Not Reported Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Minrmin: Not Reported Minrocc: Not Reported Rmk20: Strata Information: 46700 Stratordr: 005254 ld: Fmtop: 659 Fmbot: UPPER CAMBRIAN SERIES Formation: Primlith: Not Reported Not Reported Not Reported Minlith: Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Minrmin: Not Reported Minrocc: Not Reported Rmk20: Strata Information: 47600 Stratordr: 005254 ld: Fmtop: 240 Fmbot: BONNETERRE FORMATION Formation: DOLOMITE Primlith: SHALE Minlith: SANDSTONE Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Minrmin: Not Reported Minrocc: Rmk20: Not Reported Strata Information: 48100 005254 Stratordr: ld: 240 Fmtop: Fmbot: 275 BONNETERRE-LAMOTTE TRANSITION Formation: SAND Primlith: Minlith: Not Reported DOLOMITE Seclith: Not Reported Primmin: Primocc: Not Reported Secmin:

Secocc:

Minrmin:

Not Reported

0 Minrocc: Rmk20: Not Reported Strata Information: 48200 005254 Stratordr: Fmtop: 275 659 Fmbot: LAMOTTE SANDSTONE Formation: Primlith: SANDSTONE CLAY Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Minrmin: Not Reported Minrocc: BOTTOM 19'= ARKOSE Rmk20: Strata Information: Stratordr: 48500 005254 ld: 659 Fmtop: 660 Fmbot: PRECAMBRIAN ERATHEM Formation: **GRANITE** Primlith: Not Reported Not Reported Minlith: Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 005254 Stratordr: 99900 ld: 660 Fmtop: Fmbot: 660 TOTAL DEPTH Formation: Not Reported Primlith: Not Reported Not Reported Minlith: Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Remarks: WN Feature: 005254 Fileid: Н GS Agency: Remarks: Not Reported Remarks: WN

Feature: Fileid:

BAILER TEST(BFRE SHOOTING)USED 60GAL BLRBAILD 49 BLRS IN 1HR.60'DD,NO DD AFTER 4

005254

Agency:

Remarks:

Remarks:

ld: Agency: 005254

Feature: Fileid:

WP H

Remarks:

GS UNLABLED FORMATIONS

MO WELLS

MOLOG1000008877

6 NNW 1/2 - 1 Mile Lower

006468

Located: Scale:

Y 24k

Notenough: Locator:

Not Reported Michael Lemon - Interpolated

Stname:

MISSOURI

Stabbrev:

MO

SW

County:

ST. FRANCOIS

Utm x: Utm y: Latitude: 725170.77921 4182447.44425

37.7635

-90.4438

Qtr2:

SE

Longitude: Qtr3: Qtr1:

SE 2 35

Section: Tnsp:

Tnspdir: Rng:

Not Reported 5 Ε

-1

-1

Rngdir: Plssx: Plssy: Location p: Elev:

Idnum:

-1 873 6468

Swl: Quadrangle:

FARMINGTON

Site id:

MOLOG1000008877

Header Information:

Agencyname: Fips:

187 MO SE 02

006468

Well type: GEOLOGICAL SURVEY (DGLS) County: Stname:

Qtr3: Qtr1: Tnsp: Rng:

ST. FRANCOIS MISSOURI SW SE

35

05

Private Well

Section: Tnspdir: Rngdir: Latitude:

Longitude:

Utm x: Utm y:

Llmeas:

Locator:

Stabbrev:

Qtr2:

N Ε 37.7635

-90.4438 725170.77921 4182447,44425

FARMINGTON Interpolated

Scale: Typelog1: Typelog3: Owner:

Ohio code:

37090G4 24k Not Reported

Typelog2: Ownerind: Leasenam: Drldate:

Logdate:

Quadmap na:

Not Reported 1940/10/31 Not Reported

Not Reported

Driller: Permit: Logger: Doubet, Mrs. Chet A. Goggins, L. Not Reported Grohskopf

	0.70		
Elev:	873	Prodyld:	Not Reported
Elevbase:	S Not Deported	Flodyld.	Not reported
Gpmcfs:	Not Reported		
Depthbed:	70	Cude	65
Sampsav:	0	Swla:	65
Swlb:	27		
Water at:	290'	E 01	DONNETEDDE FORMATION
Totdepth:	305	Formation :	BONNETERRE FORMATION
Formation1:	LAMOTTE SANDSTONE		
Intcrdtp:	0		
Interdbt:	0		N I D
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	Not Reported
Alagncy1:	Not Reported	Add databa:	Not Reported
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	N
Remarks:	formerly in name of C.A. Doubet		
C total:	270	C plugind:	Not Reported
C remarks:	Not Reported		
Construction Information		W/- II b	Private Well
ld:	006468	Well type:	
Agencyname:	GEOLOGICAL SURVEY (DGL		194009
Plugind:	Not Reported	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	270		
Cas1diam:	6		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		W.
Cas4dpth:	0		
Cas4diam:	0	T14	Not Reported
Inout1:	Not Reported	Typgrt1:	Not Reported
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	Not Reported		
Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported	Hab 30	
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		
- The country of the control of the			

Typecomp: Perfintt: Perfintb:

Not Reported

0 0

Oilprod: Tubepres: Other data:

Formation1:

Not Reported Not Reported

Not Reported Not Reported Gasprod:

Remarks: Formation: Not Reported

Not Reported

BONNETERRE FORMATION

Strata Information:

ld:

006468

0

Fmtop: 70 Fmbot: NO SAMPLES Formation: Not Reported Primlith:

Seclith: Primmin:

Primocc:

ld:

Fmtop:

Not Reported Not Reported

Not Reported Secmin: Secocc:

Not Reported Minrmin: Minrocc:

Rmk20:

Strata Information:

006468

Not Reported

70 305

Fmbot: CAMBRIAN SYSTEM Formation: Not Reported Primlith:

Seclith: Primmin:

Not Reported Not Reported

Not Reported Secmin: Secocc: Minrmin: Not Reported Minrocc:

Rmk20:

Primocc:

Not Reported

Strata Information:

ld: Fmtop: Fmbot:

70 305

006468

Formation:

UPPER CAMBRIAN SERIES Not Reported Primlith:

Seclith: Primmin:

Not Reported Not Reported

Primocc:

0 Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc:

Strata Information:

ld: Fmtop: Fmbot:

Rmk20:

006468 70

Not Reported

300 BONNETERRE FORMATION

Formation: Primlith:

DOLOMITE

Seclith: Primmin: SANDSTONE

FES2

Primocc: Not Reported Secmin:

Secocc: Minrmin:

Not Reported

Stratordr:

Minlith:

Stratordr:

Minlith:

Stratordr:

Minlith:

Stratordr:

Minlith:

Not Reported

0

46600

Not Reported

46700

Not Reported

47600

SHALE

TC4514973.2s Page A-27

Stratordr:

Minlith:

Minrocc:

Rmk20:

Not Reported

Strata Information:

ld:

006468

Fmtop: Fmbot:

305

Formation:

Primlith: Seclith:

Primmin:

Primocc: Secmin:

Secocc:

Minrmin:

Minrocc:

Rmk20:

006468

305 305

Strata Information:

ld:

Fmtop:

Fmbot:

Formation: Primlith:

Seclith: Primmin:

Primocc: Secmin:

Secocc:

Minrmin: Minrocc:

Rmk20:

300

LAMOTTE SANDSTONE

SANDSTONE Not Reported

Not Reported

Not Reported

Not Reported

TOTAL DEPTH

Not Reported

Stratordr:

99900

48200

Not Reported

Minlith:

Not Reported

MO WELLS

MO6000000002734

West 1/2 - 1 Mile Lower

Objectid:

Logid: Pwssname:

Pwssidext: Ipwsext:

Localname: Factype: Status:

Ddlat: Ddlong: Mapname:

County: Mdnrnum:

Aban: Material: Form cd: Form td: Totdepth:

Topseal: Casedepth: 517

Not Reported Ozark Steel Fabricators, Inc.

4180581101

MO4180581101 Well #1

Indus. & Lg Business

Active 37.75661 -90.45056

Farmington St. Francois 4 0

Consolidated Bonneterre Bonneterre 100

Not Reported 30

Uniqueid: Wwimsid: Pwssid:

lpws: Wellnum:

Wellid: Fed type:

Fips:

Mdnrreg: Drilldate: Plug:

Grndelev:

Casesize:

Botseal:

29187 Southeast 1969

100497

4180581

10378

NTNC

Not Reported

MO4180581

0

Not Reported

Casetype:	Steel		
Topcaseelv:	0		- II
Caseheight:	0	Outcasedep:	0
Outcasesiz:	0	Scrnlength:	-9999
Scrnsize:	-9999	Staticleve:	15
Yield:	10	Head:	0
Drawdown:	20	Pumptestda:	1992
Pumptype:	Submersible	Pumpmanuf:	Not Reported
Pumpdepth:	80	Pumpcapaci:	10
Meter:	Not Reported	Stdbypwr:	N
Voc:	N	Nitrate:	N
Chlor:	N	Filter:	N
Gwudisw:	Not Reported	Stappr:	Not Reported
Surfdrain:	Not Reported	Entry:	Υ
Method:	Not Reported	Accuracy:	0
Locstatus:	Not Verified	Verloc:	N
Lastupdate:	1993/04/06	Tweyrswa:	850
Welldist:	0	Site id:	MO6000000002734

8 SW 1/2 - 1 Mile Lower

Objectid: Logid: Pwssname: Pwssidext: Ipwsext: Localname: Factype: Status: Ddlat: Ddlong:	518 Not Reported Farmington Manor 4069065101 MO4069065101 Well #1 Institution Active 37.74891 -90.44812	Uniqueid: Wwimsid: Pwssid: Ipws: Wellnum: Wellid: Fed type:	100498 Not Reported 4069065 MO4069065 1 10379 C
Mapname:	Wachita Mountain	Fips:	
County:	St. Francois	Mdnrreg:	Southeast
Mdnrnum:	4	Drilldate:	1967
Aban:	0	Plug:	0
Material:	Consolidated		
Form cd:	Bonneterre		
Form td:	Lamotte	2007	•
Totdepth:	600	Grndelev:	0
Topseal:	Not Reported	Botseal:	Not Reported
Casedepth:	100	Casesize:	6
Casetype:	Steel		
Topcaseelv:	0		
Caseheight:	0	Outcasedep:	0
Outcasesiz:	0	Scrnlength:	-9999
Scrnsize:	-9999	Staticleve:	20
Yield:	45	Head:	0
Drawdown:	20	Pumptestda:	1986
Pumptype:	Submersible	Pumpmanuf:	Not Reported
Pumpdepth:	270	Pumpcapaci:	45
Meter:	Not Reported	Stdbypwr:	N

MO6000000002720

MO WELLS

N Nitrate: Voc: Filter: Chlor: Not Reported Stappr: Gwudisw: Not Reported Surfdrain: Not Reported Entry: Accuracy: 33 DOQQ Method: Verified Verloc: N Locstatus: Tweyrswa: 130 2002/10/09 Lastupdate: MO6000000002720 Site id: Welldist:

North 1/2 - 1 Mile Higher MO WELLS MO600000002745

101877 1894 Uniqueid: Objectid: Not Reported 009244 Wwimsid: Logid: Pwssid: 4069041 Farmington Correctional Center Pwssname: MO4069041 4069041105 lpws: Pwssidext: 5 MO4069041105 Wellnum: lpwsext: 11615 Wellid: Well #2 Localname: С Institution Fed type: Factype: Status: Active 37.7655 Ddlat: -90.44145 Ddlong: 29187 Fips: Mapname: Farmington Mdnrreg: Southeast St. Francois County: 1946 Drilldate: Mdnrnum: 0 0 Plug: Aban: Consolidated Material: Bonneterre Form cd: Form td: Precambrian Grndelev: 761 Totdepth: Not Reported Botseal: Topseal: Not Reported 10 Casedepth: 252 Casesize: Steel Casetype: Topcaseelv: 0 Outcasedep: 0 Caseheight: 0 Scrnlength: -9999 Outcasesiz: 0 95 Staticleve: Scrnsize: -9999 0 Yield: 250 Head: 1994 Pumptestda: 150 Drawdown: Vertical Turbine Pumpmanuf: Not Reported Pumptype: 250 Pumpcapaci: Pumpdepth: Stdbypwr: Not Reported Meter: Nitrate: N Y Voc: Ν Filter: Chlor: Not Reported Not Reported Stappr: Gwudisw: Entry: Surfdrain: Not Reported 33 Method: DOQQ Accuracy: N Verloc: Locstatus: Verified Tweyrswa: 1150 2002/10/09 Lastupdate:

Site id:

398.799987792969

10 NE 1/2 - 1 Mile Higher

Welldist:

MO WELLS MOLOG1000008875

MO6000000002745

ld:	020444	Located:	Y
	020111	Scale:	24k
Notenough:	Hot Hoportou	Stname:	MISSOURI
Locator:	Wildingor Edition Wileiperson	County:	ST. FRANCOIS
Stabbrev:	MO	County.	G1.110
Utm x:	726376.31242		
Utm y:	4182458.65863		
Latitude:	37.7633		
Longitude:	-90.43012		
Qtr3:	NE	Qtr2:	NE
Qtr1:	NW		
Section:	12		
Tnsp:	35		
Tnspdir:	Not Reported		
Rng:	5		
Rngdir:	Ē		
Plssx:	726516		
	4180997		
Plssy:			
Location p:	56 914		
Elev:	1717 M		
Idnum:	20444		
Swl:	85	Site id:	MOLOG1000008875
Quadrangle:	FARMINGTON	Site id.	MOLOGIOGOGO
Header Information:		1000 M	O
ld:	020444	Well type:	Community Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)		ST. FRANCOIS
Fips:	187	Stname:	MISSOURI
Stabbrev:	MO	Qtr3:	NE
Qtr2:	NE	Qtr1:	NW
Section:	12	Tnsp:	35
Tnspdir:	N	Rng:	05
Rngdir:	Ē		
	37.7633		
Latitude:	-90.43012		
Longitude:	726376.31242		
Utm x:	4182458.65863		
Utm y:	FARMINGTON	Ohio code:	37090G4
Quadmap na:		Scale:	24k
Llmeas:	D		S
Locator:	Interpolated	Typelog1:	Not Reported
Typelog2:	Not Reported	Typelog3:	Farmington Memorial Airport
Ownerind:	1	Owner:	•
Leasenam:	Not Reported	Driller:	Farmington Drlg Co
Drldate:	1961/11/10	Permit:	Not Reported
Logdate:	1962/04/00	Logger:	Wells, J.
Elev:	914		
Elevbase:	S	Prodyld:	10
Gpmcfs:	G		
Depthbed:	10		
Sampsav:	0	Swla:	85
Swlb:	Not Reported		
Water at:	Not Reported		
Totdepth:	229	Formation:	BONNETERRE FORMATION
Formation1:	LAMOTTE SANDSTONE		
i difficulti.			

Interdtp:

a months and a single many			
Interdbt:	0		Net Deported
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	Not Reported
Alagncy1:	Not Reported	Add databa:	Not Reported
Addition 1:	Not Reported	Add data 1:	Not Reported
	Not Reported	Add data 2:	Not Reported
Alnum2:			N
Add data 3:	Not Reported	Rmkind:	
C total:	45	C plugind:	Not Reported
C remarks:	Not Reported		
Construction Information:			8
ld:	020444	Well type:	Not Reported
Agencyname:	Not Reported	Datecomp:	0
Plugind:	Not Reported	Dateplug:	Not Reported
	Not Reported	Casemat2:	Not Reported
Casemat1:	· ·	oasomatz.	
Cas1dpth:	45		
Cas1diam:	6		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
4. 			
Cas4diam:	0	T	Not Reported
Inout1:	Not Reported	Typgrt1:	
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
-	0		
Plgdpt1t:			
Multcase:	Not Reported		
Szcashol:	8		
	8 0		
Szcashol:	8 0 0		
Szcashol: Szbelcas:	8 0		
Szcashol: Szbelcas: Sizscrn:	8 0 0		*
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn:	8 0 0 0 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn:	8 0 0 0 0 Not Reported	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump:	8 0 0 0 0 Not Reported Not Reported	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap:	8 0 0 0 0 Not Reported Not Reported 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh:	8 0 0 0 0 Not Reported Not Reported 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset:	8 0 0 0 0 Not Reported Not Reported 0 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp:	8 0 0 0 0 Not Reported Not Reported 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset:	8 0 0 0 0 Not Reported Not Reported 0 0	Typedev:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported	Typedev:	
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 0 0 0 Not Reported	Typedev: Gasprod:	Not Reported Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported	Gasprod: Remarks:	Not Reported Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported	Gasprod:	Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported	Gasprod: Remarks:	Not Reported Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported	Gasprod: Remarks:	Not Reported Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported	Gasprod: Remarks:	Not Reported Not Reported
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported LAMOTTE SANDSTONE	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation :	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported LAMOTTE SANDSTONE	Gasprod: Remarks: Formation :	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith: Primmin:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported LAMOTTE SANDSTONE 020444 225 229 NO SAMPLES Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported LAMOTTE SANDSTONE 020444 225 229 NO SAMPLES Not Reported Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith: Primmin:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported LAMOTTE SANDSTONE 020444 225 229 NO SAMPLES Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith: Primmin: Primocc:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported Not Reported Not Reported Not Reported Not Reported LAMOTTE SANDSTONE 020444 225 229 NO SAMPLES Not Reported Not Reported Not Reported Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION
Szcashol: Szbelcas: Sizscrn: Slotsize: Lenscrn: Typescrn: Typepump: Pumpcap: Pumptdh: Pumpset: Typecomp: Perfintt: Perfintb: Oilprod: Tubepres: Other data: Formation1: Strata Information: Id: Fmtop: Fmbot: Formation : Primlith: Seclith: Primmin: Primocc: Secmin:	8 0 0 0 0 Not Reported Not Reported 0 0 Not Reported 0 Not Reported LAMOTTE SANDSTONE 020444 225 229 NO SAMPLES Not Reported 0 Not Reported	Gasprod: Remarks: Formation : Stratordr:	Not Reported Not Reported BONNETERRE FORMATION

0 Minrocc: Not Reported Rmk20: Strata Information: 0 Stratordr: 020444 Fmtop: Fmbot: 10 NO SAMPLES Formation: Not Reported Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 46600 Stratordr: 020444 ld: 10 Fmtop: 225 Fmbot: CAMBRIAN SYSTEM Formation: Not Reported Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 46700 020444 Stratordr: ld: Fmtop: 10 225 Fmbot: UPPER CAMBRIAN SERIES Formation: Not Reported Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: 0 Not Reported Minrmin: Minrocc: Not Reported Rmk20: Strata Information: 47600 Stratordr: 020444 ld: 10 Fmtop: Fmbot: 150 BONNETERRE FORMATION Formation: DOLOMITE Primlith: SAND Minlith: Seclith: Not Reported Not Reported Primmin: Primocc: Secmin: Not Reported Secocc:

Not Reported

Minrmin:

Minrocc:

0

Rmk20:

Not Reported

Strata Information:

020444

Stratordr:

Minlith:

48100

Not Reported

Fmtop: Fmbot: 150 195

Formation:

BONNETERRE-LAMOTTE TRANSITION

Primlith:

SAND

Seclith:

DOLOMITE

Primmin:

Not Reported

Primocc: Secmin:

Not Reported

Secocc:

0

Minrmin:

Not Reported

Minrocc:

Rmk20:

Not Reported

Strata Information: ld:

020444

Stratordr:

Minlith:

48200

Not Reported

Fmtop: Fmbot:

195 225

Formation:

LAMOTTE SANDSTONE

Primlith:

SANDSTONE

Seclith:

DOLOMITE

Primmin:

Not Reported

Primocc:

Secmin: Secocc: Not Reported

Minrmin:

Not Reported

Minrocc:

Rmk20:

Not Reported

Strata Information:

Fmtop:

ld:

020444 229

Stratordr:

Minlith:

99900

Not Reported

Fmbot:

229

Formation:

TOTAL DEPTH

Primlith:

Not Reported

Seclith:

Not Reported Not Reported

Primmin:

Primocc:

Secmin:

Not Reported

Secocc:

Not Reported

Minrmin: Minrocc:

Rmk20:

Not Reported

B11 WNW 1/2 - 1 Mile Lower

FED USGS

USGS40000690683

Org. Identifier:

USGS-MO

Formal name:

USGS Missouri Water Science Center

Monloc Identifier:

USGS-374530090271201

Monloc name:

T35N R05E 01 1

Monloc type:

Well

Monloc desc:

Not Reported

Huc code:

08020202

Not Reported

Drainagearea value: Contrib drainagearea: Not Reported Not Reported

Drainagearea Units:

Contrib drainagearea units: Not Reported

Latitude:

37.7583333

Longitude:

-90.4533333

Sourcemap scale:

Horiz Acc measure units:

24000

Horiz Acc measure:

seconds

Horiz Collection method:

NAD83

Global positioning system (GPS), uncorrected Vert measure val:

Horiz coord refsys: Vert measure units:

feet

Vertacc measure val:

870 10

Vert accmeasure units: Vertcollection method:

feet

Interpolated from topographic map

Countrycode:

US

Vert coord refsys: Aguifername: Formation type:

Aquifer type:

NGVD29

Ozark Plateaus aquifer system

Lamotte Sandstone

Unconfined single aquifer

901

Construction date: Welldepth units:

ft

20020101

Welldepth: Wellholedepth:

901

Wellholedepth units:

ft

Ground-water levels, Number of Measurements: 0

B12 WNW 1/2 - 1 Mile Lower

MO WELLS

MO6000000002737

Objectid: Logid: Pwssname: 4968 028993 Farmington 4010270117 Uniqueid: Wwimsid: Pwssid:

104980 00263767 4010270 MO4010270

Pwssidext: lpwsext:

MO4010270117 Well #17 Overall Rd. Wellnum: Wellid: Fed type:

lpws:

16644

Localname: Factype: Status:

City Plugged

37.75828

Plug:

C

Ddlong: Mapname: County:

Ddlat:

-90.45343 Farmington St. Francois

Fips: Mdnrreg: Drilldate: 29187 Southeast 2002 2003

Mdnrnum: Aban: Material: Form cd:

Form td:

Totdepth:

Scrnsize:

2001 Consolidated

4

Lamotte

Lamotte

900 Discharge Head Grndelev: Botseal: Casesize: 860 Halliburton Method

Topseal: Casedepth:

352 Steel

Y

Casetype: 0 Topcaseelv: Caseheight: 0 Outcasesiz:

0 -9999 250

Outcasedep: Scrnlength: Staticleve: Head:

Grundfos

10

Yield: Drawdown: Pumptype: Pumpdepth: Meter:

120 Submersible 412

Pumptestda: Pumpmanuf: Pumpcapaci: Stdbypwr:

250 Not Reported

N Nitrate: Voc: N Ν Filter: N Chlor: Υ Gwudisw: N Stappr: Not Reported Entry: Not Reported Surfdrain: GPS, Garmin 12 XL Accuracy: Method: N Locstatus: Verified Verloc: 2007/02/14 Tweyrswa: Lastupdate: MO6000000002737 Site id: Welldist:

13 North 1/2 - 1 Mile Higher

MOLOG1000008908 MO WELLS

Y 009244 Located: ld: 24k Scale: Not Reported Notenough: MISSOURI Michael Lemon - Interpolated Stname: Locator: ST. FRANCOIS Stabbrev: County: 725445.94643 Utm x: 4182913.11186 Utm y: Latitude: 37.76763 -90.44053 Longitude: NE Qtr2: Qtr3: SE Qtr1: SE 2 Section: 35 Tnsp: Not Reported Tnspdir: Rng: E Rngdir: -1 Plssx: -1 Plssy: -1 Location p:

885 Elev: 9244 Idnum: Swl:

FARMINGTON Quadrangle:

Site id:

MOLOG1000008908

Header Information:

Community Public Well Well type: ST. FRANCOIS GEOLOGICAL SURVEY (DGLS) County: Agencyname: MISSOURI Stname: 187 Fips: SE Stabbrev: MO Qtr3: SE Qtr1: NE Qtr2: 35 02 Tnsp: Section: 05 Ν Rng: Tnspdir: Ε Rngdir:

Latitude: 37.7655 -90.44145 Longitude: 725445.94643 Utm x: 4182913.11186 Utm y: **FARMINGTON** Quadmap na:

37090G4 Ohio code: 24k Scale: Llmeas: Typelog1: D Interpolated Locator: S Typelog3: Typelog2: Not Reported Farmington Correction Center Well#2

Owner: Ownerind: Driller: Leasenam:

Layne Western Not Reported Not Reported 1946/09/00 Permit: Drldate: McCracken Logger: Logdate: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Flore	885		
Elev: Elevbase:	S .	Prodyld:	255
Gpmcfs:	Not Reported	,,,,,,,	
Depthbed:	15		
Sampsav:	1	Swla:	100
Swlb:	Not Reported	o.m.a.	
Water at:	70', 355-710'		
	761	Formation :	BONNETERRE FORMATION
Totdepth:	PRECAMBRIAN ERATHEM	Tomason.	
Formation1:	0		
Intcrdtp: Intcrdbt:	0		
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	PUBLIC DRINKING WATER
	F	Add databa:	4069041
Alagncy1: Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
	Not Reported	Rmkind:	Υ
Add data 3: Remarks:	formerly in name of State Hospital	#4 Well #6 - @ FARMINGTON	. 1000' S OF WELL #5 (#5254)
	253	C plugind:	N
C total:	GROUTED WITH 200 SX OF C		
C remarks:	GROOTED WITH 200 OX OF O	Z.M.Z.V.	
Construction Information:			
ld:	009244	Well type:	Noncommunity Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS	S) Datecomp:	194609
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	253		
Cas1diam:	10		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	0	Typgrt1:	G
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		0
Typescrn:	Not Reported	Typedev:	0
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	280		

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Typecomp:

Not Reported

Perfintt:

Perfintb:

0

Oilprod:

Not Reported

Not Reported

Gasprod:

Not Reported

Tubepres: Other data:

Formation1:

Remarks: Formation: GROUTED WITH 200 SX OF CEMENT BONNETERRE FORMATION

Not Reported PRECAMBRIAN ERATHEM

Strata Information:

009244

Stratordr:

100

Fmtop: Fmbot: 0 15

Formation:

RESIDUUM & TOP SOIL

Primlith:

CLAY

Seclith:

Not Reported Not Reported Minlith:

Not Reported

Primmin: Primocc:

Not Reported

Secmin: Secocc:

Minrmin:

Not Reported

Minrocc:

Rmk20:

TOP QUESTIONABLE

Strata Information:

009244

Stratordr:

Minlith:

46600

Not Reported

Fmtop: Fmbot: 15

760

Formation:

CAMBRIAN SYSTEM

Primlith: Seclith:

Primmin:

Not Reported

Not Reported

Not Reported

Primocc:

Secmin: Not Reported

Secocc:

Minrmin:

Not Reported

Minrocc:

Not Reported Rmk20:

Strata Information:

009244

Stratordr:

Minlith:

Stratordr:

Minlith:

46700

Fmtop: Fmbot: 15 760

Formation:

UPPER CAMBRIAN SERIES

Primlith:

Not Reported

Seclith:

Not Reported

Primmin:

Not Reported

Primocc:

Secmin:

Not Reported

Secocc:

Minrmin: Minrocc:

Not Reported

Rmk20:

Not Reported

Strata Information:

009244

15

Fmtop: Fmbot:

285

Formation:

BONNETERRE FORMATION

Primlith:

DOLOMITE

Seclith:

SHALE

Primmin:

FES2

Primocc:

Secmin: Secocc:

Not Reported

Minrmin:

Not Reported

Not Reported

47600

SAND

TC4514973.2s Page A-38

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: FELDSPAR QURTZ PRSNT Rmk20: Strata Information: Stratordr: 48200 009244 285 Fmtop: 760 Fmbot: LAMOTTE SANDSTONE Formation: SANDSTONE Primlith: DOLOMITE Minlith: Not Reported Seclith: Primmin: Not Reported Primocc: Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Rmk20: Not Reported Strata Information: 48500 Stratordr: 009244 ld: Fmtop: 760 761 Fmbot: Formation: PRECAMBRIAN ERATHEM **GRANITE** Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: Secmin: Not Reported Secocc: Not Reported Minrmin: Minrocc: Rmk20: Not Reported Strata Information: 99900 Stratordr: 009244 ld: 761 Fmtop: Fmbot: 761 TOTAL DEPTH Formation: Not Reported Primlith: Not Reported Minlith: Not Reported Seclith: Not Reported Primmin: Primocc: 0 Not Reported Secmin: Secocc: Not Reported Minrmin: Minrocc: Rmk20: Not Reported Remarks: Feature: WN 009244 ld: H Fileid: Agency: GS Not Reported Remarks: Remarks:

WN

Feature:

Fileid:

GROUTED WITH 200SX CEMENT. HOLE REDUCED TO 10"AT 250'.

009244

ld:

Agency:

Remarks:

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Remarks:

ld: Agency: 009244 GS Feature:

Fileid:

WP H

Remarks:

FORMATIONS UNLABLED

MO WELLS

MO6000000002751

14 North 1/2 - 1 Mile Higher

Objectid:

Factype:

Pwssname:

Logid:

1896 005254

1896 Uniqueid: 005254 Wwimsid: Farmington Correctional Center Pwssid:

 Uniqueid:
 101879

 Wwimsid:
 Not Reported

 Pwssid:
 4069041

 Ipws:
 MO4069041

 Wellnum:
 7

Pwssidext: lpwsext: Localname:

MO4069041107 Well #1 Institution Active

4069041107

Wellid: Fed type: , 11614 C

 Status:
 Active

 Ddlat:
 37.76903

 Ddlong:
 -90.4406

Ddlong: -90.44061
Mapname: Farmington
County: St. Francois
Mdnrnum: 4

Fips: Mdnrreg: Drilldate: Plug:

Grndelev:

Casesize:

Botseal:

Site id:

29187 Southeast 1939 0

Not Reported

10

Aban: 0
Material: Consolidated
Form cd: Bonneterre
Form td: Precambrian

Form td: Precambrian
Totdepth: 642
Topseal: Not Reported

Topseal: Not Report Casedepth: 220 Casetype: Steel Topcaseelv: 0 Caseheight: 0

 Caseheight:
 0

 Outcasesiz:
 0

 Scrnsize:
 -9999

 Yield:
 250

 Drawdown:
 164

Pumptype: Vertical Turbine
Pumpdepth: 325
Meter: Not Reported
Voc: Y
Chlor: Y

Gwudisw: Not Reported
Surfdrain: Not Reported
Method: DOQQ
Locstatus: Verified
Lastupdate: 2002/10/09
Welldist: 398.799987792969

Outcasedep: 0
Scrnlength: -9999
Staticleve: 120
Head: 0
Pumptestda: 1994
Pumpmanuf: Not Reported
Pumpcapaci: 250

Pumpcapaci: 250
Stdbypwr: Y
Nitrate: N
Filter: N
Stappr: Not Reported
Entry: Y
Accuracy: 33
Verloc: N
Tweyrswa: 1240

MO6000000002751

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
	-	-
63640	01/05/09	????
63640	01/23/09	2.3
63640	01/30/09	10
63640	02/17/06	7.3
63640	03/24/09	0.9
63640	06/10/08	19.1
63640	07/24/08	25.2
63640	09/14/07	10.1
63640	09/25/08	32.1

Federal EPA Radon Zone for ST FRANCOIS County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 63640

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.050 pCi/L	80%	20%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.075 pCi/L	50%	50%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national
Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil
survey information for privately owned lands in the United States. A soil map in a soil survey is a representation
of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO)
soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at

least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after

August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities:

Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines:

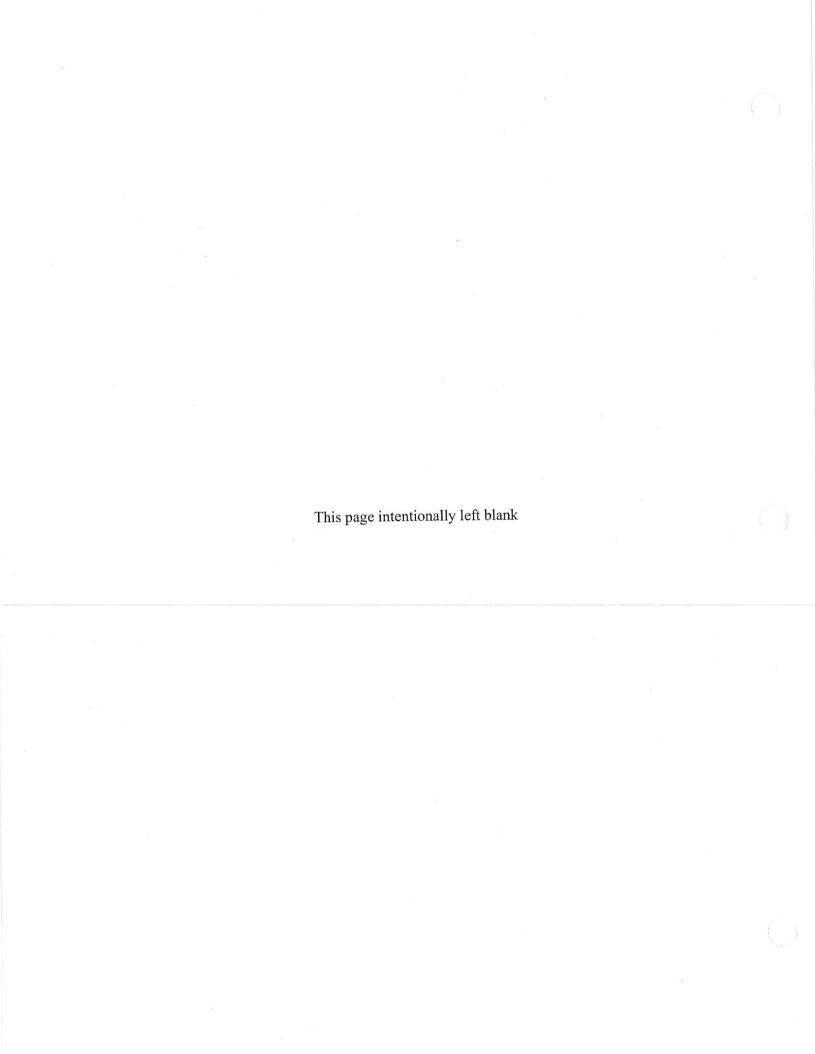
The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

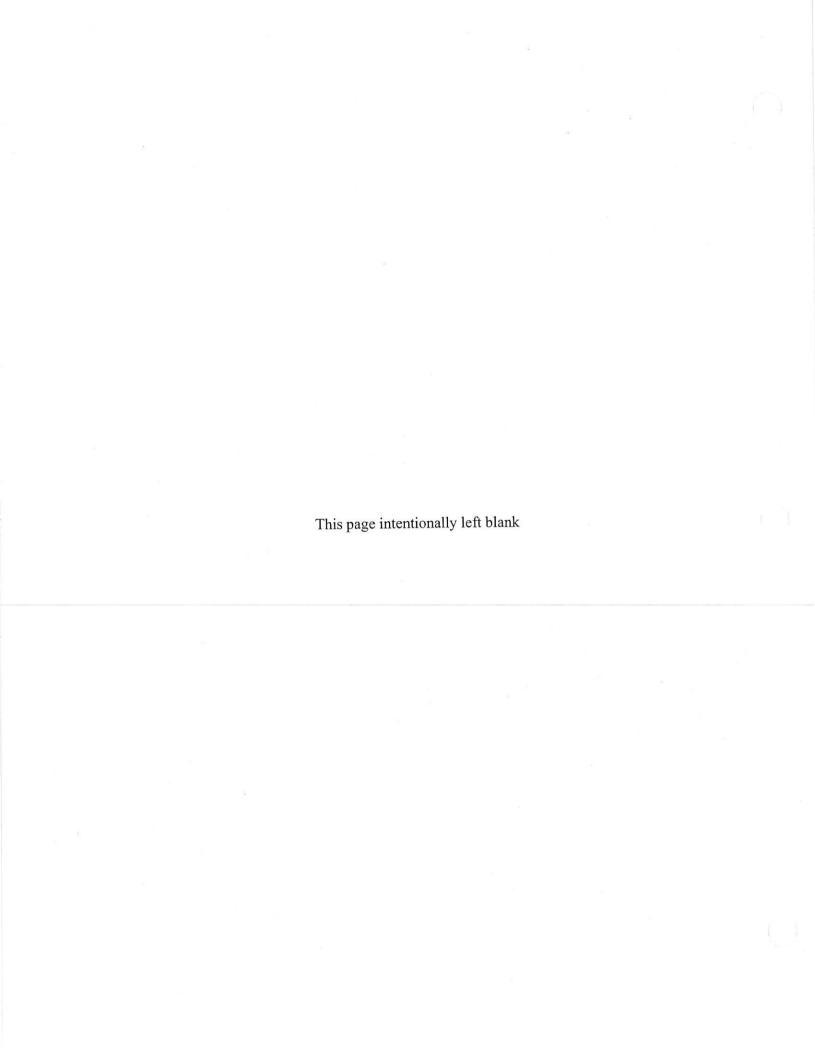
PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix E



Lot A-1 and Lot A-2 Airpark Dr. Farmington, MO 63640

Inquiry Number: 4514973.9

January 19, 2016

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography January 19, 2016

Target Property:

Airpark Dr.

Farmington, MO 63640

Year	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1962	Aerial Photograph. Scale: 1"=500'	Flight Date: March 26, 1962	USGS
1974	Aerial Photograph. Scale: 1"=750'	Flight Date: April 17, 1974	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Flight Date: October 04, 1978	EDR
1980	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 05, 1980	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 19, 1984	EDR
1990	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 04, 1990	EDR
1996	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: March 01, 1996	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2007	Aerial Photograph. Scale: 1"=500'	Flight Year: 2007	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



























Lot A-1 and Lot A-2 Airpark Dr. Farmington, MO 63640

Inquiry Number: 4514973.4

January 15, 2016

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

01/15/16

Site Name:

Client Name:

Lot A-1 and Lot A-2

Shannon & Wilson, Inc.

Airpark Dr.

2043 Westport Center Drive

Farmington, MO 63640

St. Louis, MO 63146

EDR Inquiry # 4514973.4

Contact: Mark Wieners



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Shannon & Wilson, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

Site Name:

Lot A-1 and Lot A-2

Address:

Airpark Dr.

City.State.Zip:

Farmington, MO 63640

P.O.#

41-1-37669-001

Project:

Lot A-1 and Lot A-2

Latitude:

37.7553 37° 45' 19" North

Longitude:

-90.4389 -90° 26' 20" West

UTM Zone:

Zone 15 North

UTM X Meters:

725621.82

UTM Y Meters:

4181754.32

Elevation:

873.48' above sea level

Maps Provided:

2015

1980, 1982

1964

1906

1904

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Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2015 Source Sheets



Farmington 2015 7.5-minute, 24000



Wachita Mountain 2015 7.5-minute, 24000

1980, 1982 Source Sheets



Wachita Mountain 1980 7.5-minute, 24000 Aerial Photo Revised 1974 Edited 1980



Farmington 1982 7.5-minute, 24000 Photo Revised 1982 Aerial Photo Revised 1980

1964 Source Sheets



Farmington 1964 7.5-minute, 24000 Aerial Photo Revised 1962

1906 Source Sheets



Farmington 1906 15-minute, 62500

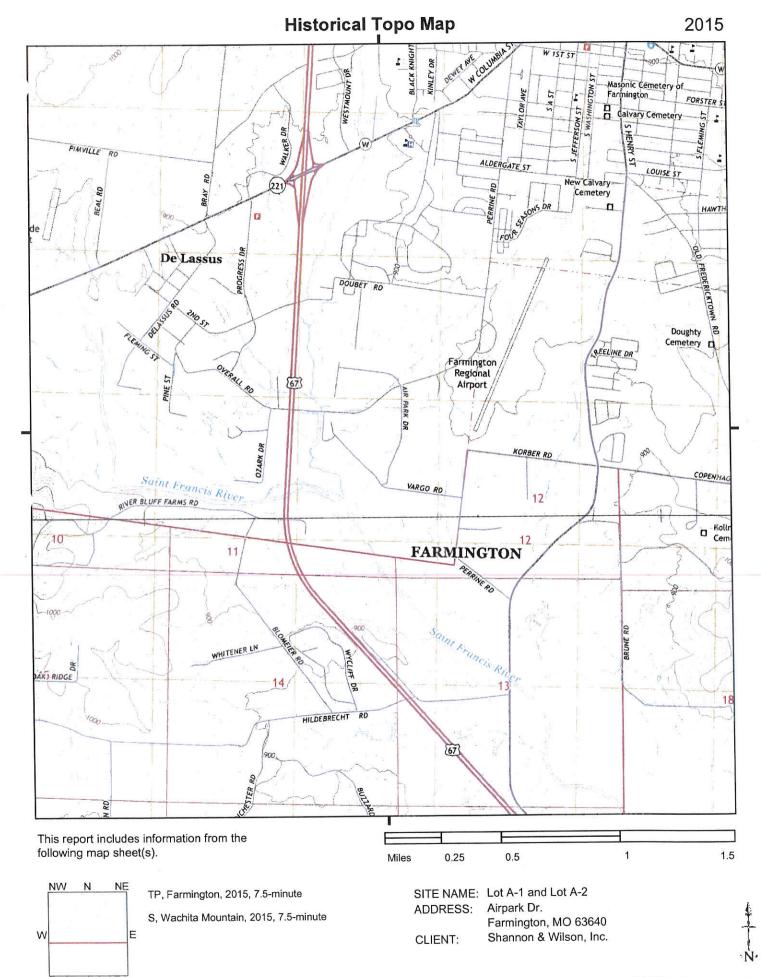
Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1904 Source Sheets



Farmington 1904 15-minute, 62500

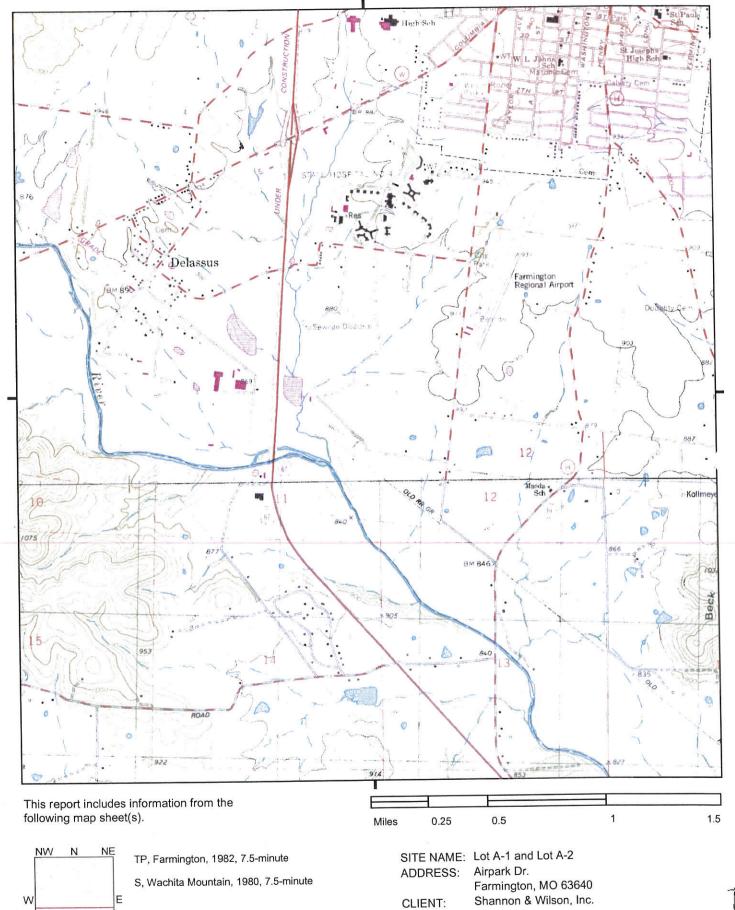


SW

S

SE

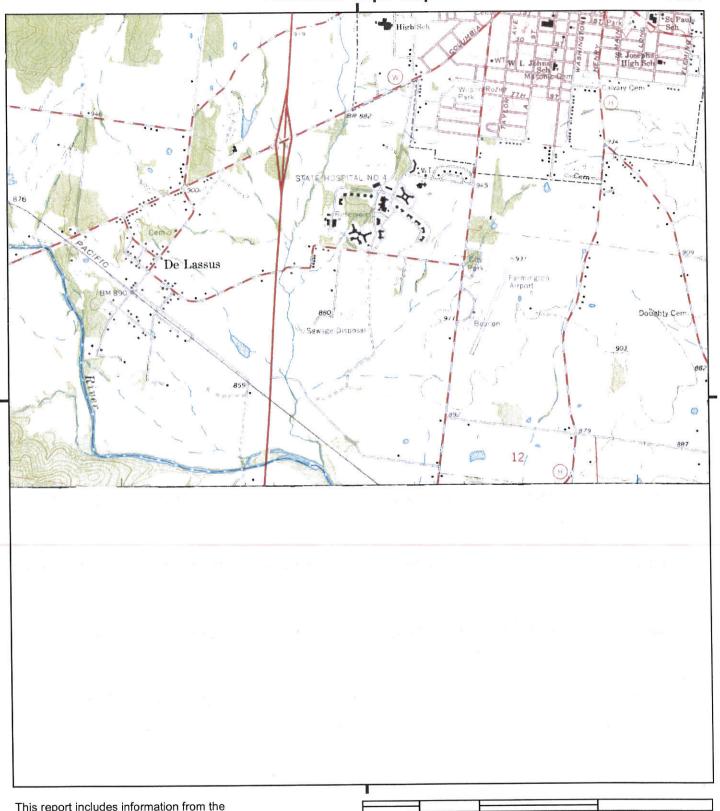


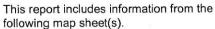


SW

S

SE







TP, Farmington, 1964, 7.5-minute

SITE NAME: Lot A-1 and Lot A-2

0.5

ADDRESS: Airpark Dr.

0.25

CLIENT:

Miles

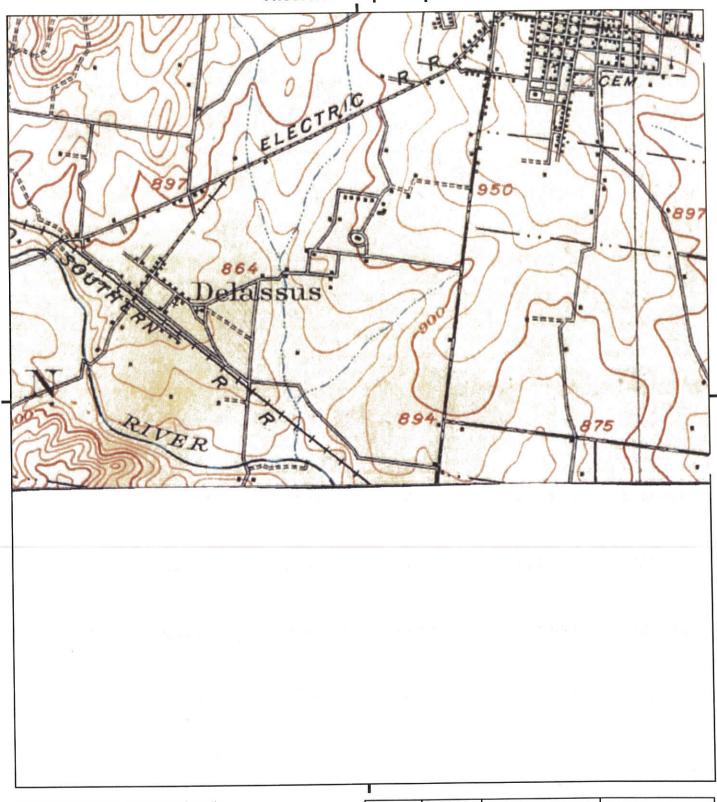
Farmington, MO 63640

Shannon & Wilson, Inc.

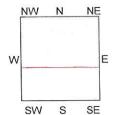


1.5

Historical Topo Map



This report includes information from the following map sheet(s).



TP, Farmington, 1906, 15-minute

SITE NAME: Lot A-1 and Lot A-2 Airpark Dr.

0.25

ADDRESS:

Miles

Farmington, MO 63640

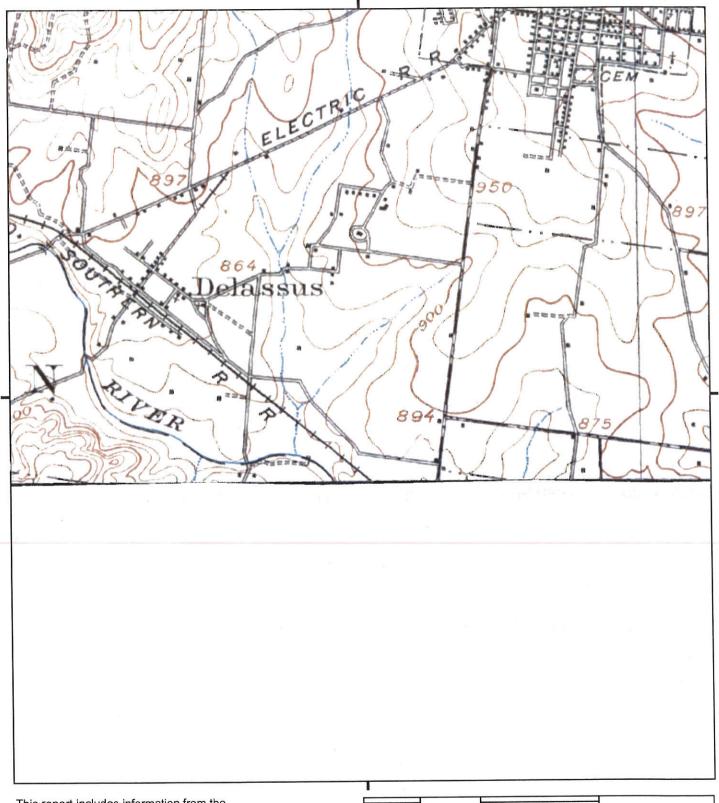
Shannon & Wilson, Inc. CLIENT:

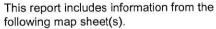
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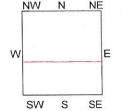


1

1.5







TP, Farmington, 1904, 15-minute

SITE NAME: Lot A-1 and Lot A-2 ADDRESS: Airpark Dr.

0.5

0.25

Miles

Farmington, MO 63640

Shannon & Wilson, Inc. CLIENT:



1.5

Lot A-1 and Lot A-2 Airpark Dr. Farmington, MO 63640

Inquiry Number: 4514973.5 January 20, 2016

The EDR-City Directory Image Report



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2013	☑		Cole Information Services
2008	N N	П	Cole Information Services
2003	<u> </u>	$\overline{\Box}$	Cole Information Services
1999	N	ī	Cole Information Services
1995		ī	Cole Information Services
1992	H	H	Cole Information Services
1968			Con Survey City Directory

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FINDINGS

TARGET PROPERTY STREET

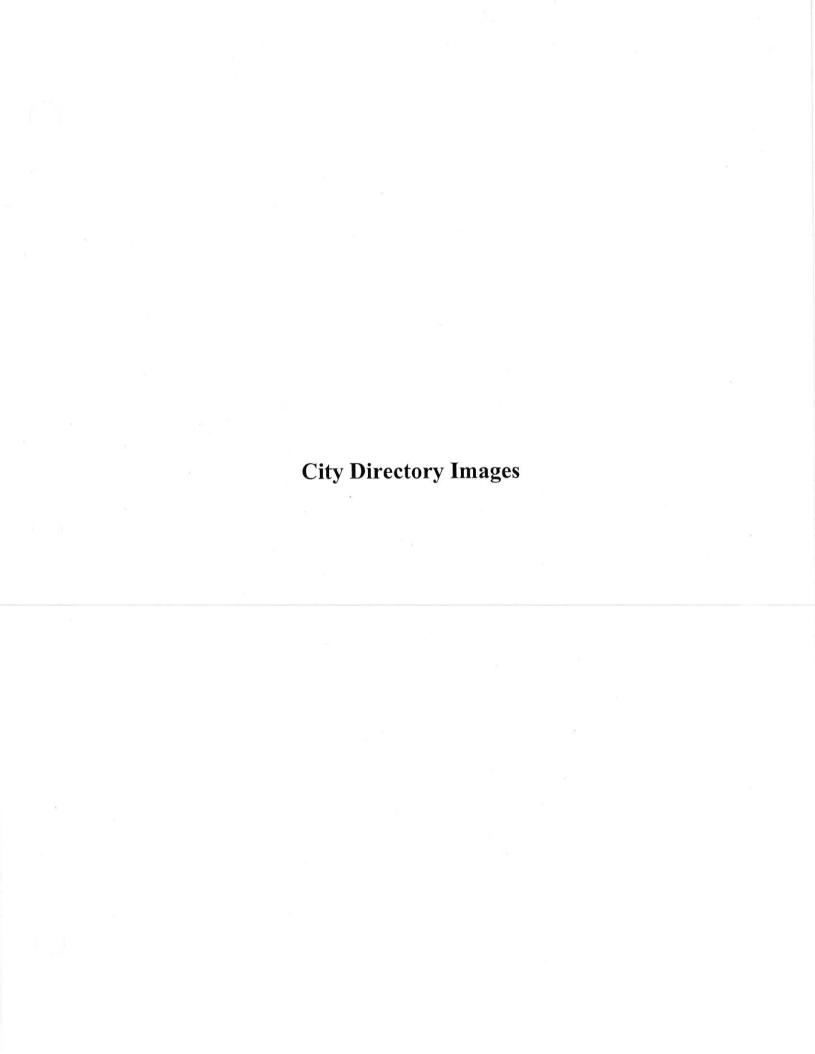
Airpark Dr. Farmington, MO 63640

<u>Year</u>	CD Image	Source	
AIRPARK DR			
			9
2013	pg A1	Cole Information Services	30
2008	pg A2	Cole Information Services	
2003	pg A3	Cole Information Services	
1999	pg A4	Cole Information Services	
1995		Cole Information Services	Target and Adjoining not listed in Source
1992	•	Cole Information Services	Target and Adjoining not listed in Source
1968	_	Con Survey City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified



Target Street

Cross Street

Source

Cole Information Services

AIRPARK DR 2013

1601 MOLDING COMPANY

SHOW ME ON LINE SOUTH

1602 BENEES TOYS

1611 MIDWEST EMBROIDERY THREAD

TRIMFOOT CO

Target Street

Cross Street

Source

Cole Information Services

AIRPARK DR 2008

1601 FORTE

FORTE PRODUCTS SOLUTIONS INC

MOLDING CO INC THE

1602 BENEES TOYS

1611 MOLDING CO INC

TRIMFOOT CO

1690 CARRY SPORTS

MIDWEST EMBROIDERY THREADS INC

Source

Cole Information Services

AIRPARK DR 2003

1601 OAK MEDICAL INDUSTRIES LLC
OCCUPANT UNKNOWN

1602 BENEES INC
BENEES TOYS
OCCUPANT UNKNOWN

1611 MOLDING CO
OCCUPANT UNKNOWN

1690 CARRY SPORTS
HOME EMBROIDERY SUPPLIES

MIDWEST EMBROIDERY THREADS INC

Target Street

Cross Street

Source

Cole Information Services

AIRPARK DR

1999

1602 BENEES TOYS

Lot A-1 and Lot A-2

Airpark Dr. Farmington, MO 63640

Inquiry Number: 4514973.3

January 15, 2016

Certified Sanborn® Map Report



Certified Sanborn® Map Report

1/15/16

Site Name:

Client Name:

Lot A-1 and Lot A-2

Shannon & Wilson, Inc.

Airpark Dr.

2043 Westport Center Drive

Farmington, MO 63640

St. Louis, MO 63146

EDR Inquiry # 4514973.3

Contact: Mark Wieners



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name:

Lot A-1 and Lot A-2

Address:

Airpark Dr.

City, State, Zip:

Farmington, MO 63640

Cross Street:

P.O. #

41-1-37669-001

Project:

Lot A-1 and Lot A-2

Certification #

191E-4BAF-8363

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification # 191E-4BAF-8363

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

✓ EDR Private Collection

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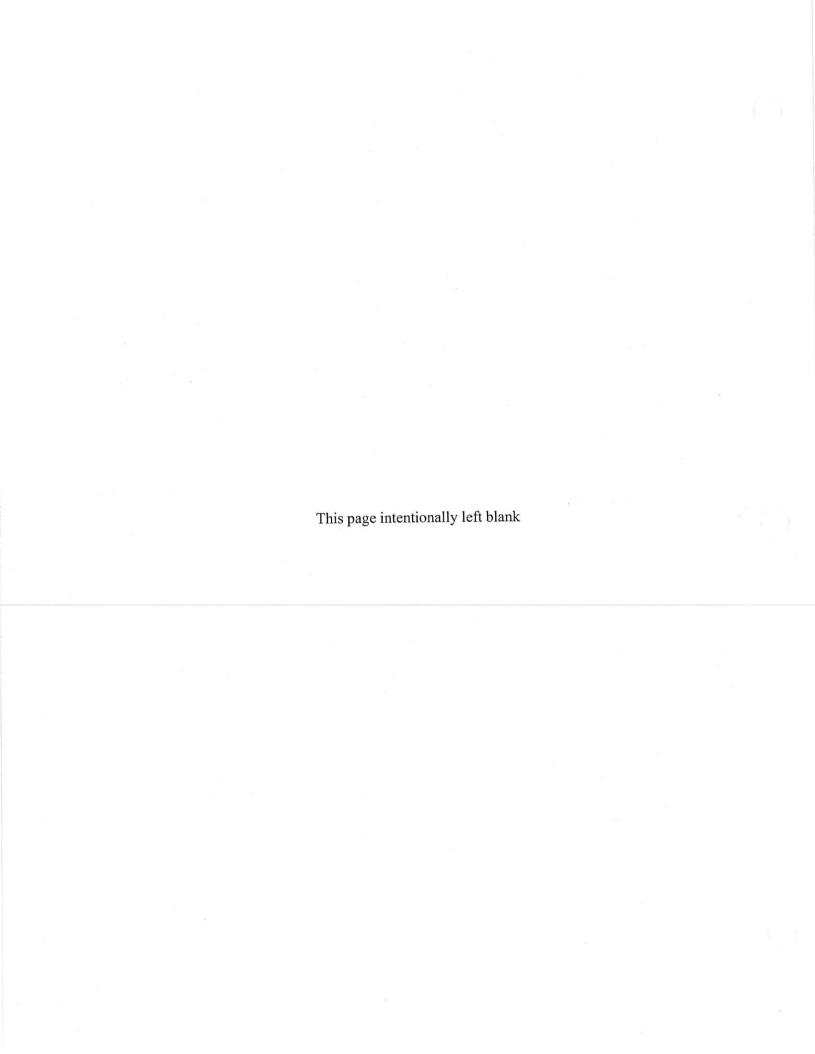
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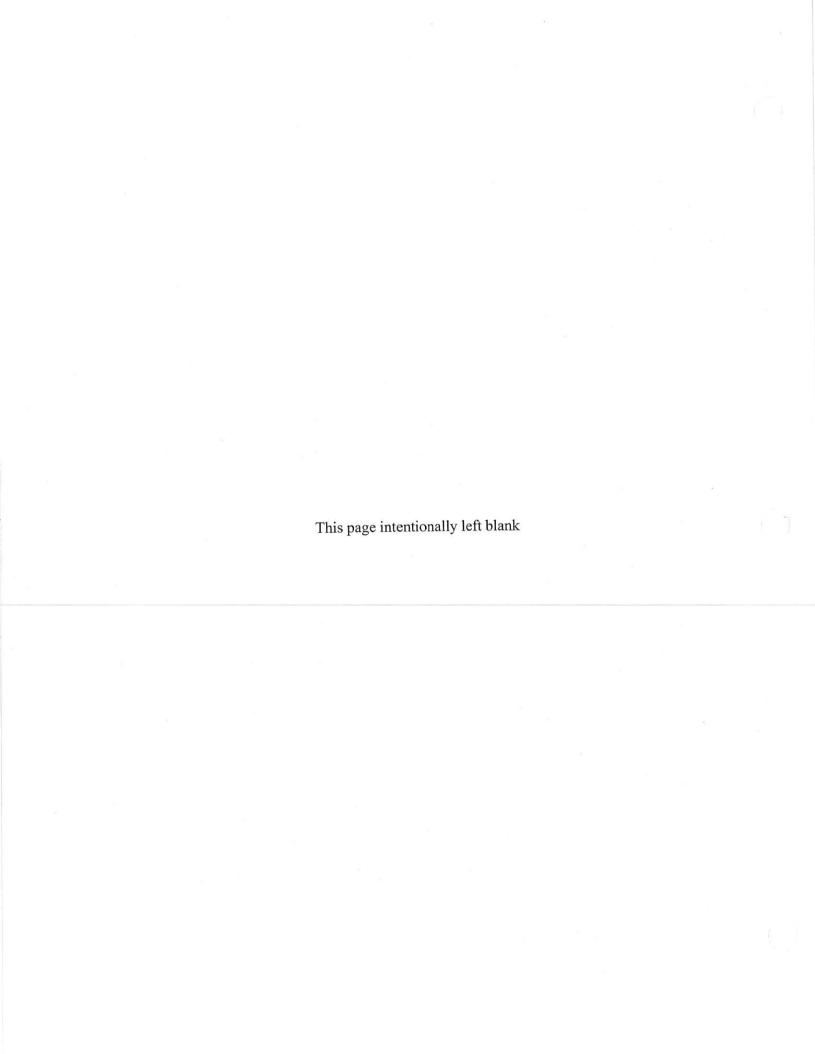
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Appendix F



Russell W. Schwab, RG | Senior Associate

ENVIRONMENTAL SCIENTIST

EDUCATION

MS, Environmental Management, Webster University 2001 BS, Geophysics, Purdue University, 1988 AS, Computer Science, Purdue University, 1988

REGISTRATION

Registered Geologist, Missouri, 0268, 1996 Monitoring Well Driller and Pump Installer Permits, Missouri, 003528PM, 2000 HAZWOPER Supervisor Training, 1997

ADDITIONAL TRAINING

FHWA - NEPA and the Transportation Decision Making Process, NHI Course 142005, 2003

Russ has served as field manager for numerous hazardous waste remediation projects, including projects with USEPA and Missouri Department of Natural Resources Voluntary Cleanup Program oversight.

Russ has also served as project manager and author on environmental assessments required by the National Environmental Policy Act. These projects have included several transportation projects and construction projects for the Department of Justice. He has frequently performed Phase I and II environmental site investigations and has worked on the design, installation, and maintenance of many remedial systems. In addition, he designs and implements geophysical surveys to find subsurface conditions on construction and environmental sites. He is Shannon & Wilson's technical expert with the refraction microtremor (ReMi) method of determining seismic site classification.

Russ has managed GIS implementation and use on over thirty geotechnical, natural resources, and environmental projects within the last five years.

Third Street and Tecumseh Street, Saint Charles, Missouri. Russ was the Project Manager for a NEPA Categorical Exclusion for a roundabout intersection. The Phase I Environmental Assessment concluded that three sites within or adjacent to the proposed alignment had the potential for the presence of hydrocarbon contamination in the subsurface. 2006

Jennings Station Road and Janet Avenue, Saint Louis County, Missouri. Project Manager for Phase I and II environmental assessments on two properties located near the intersection of Jennings Station Road and Janet Avenue. The environmental assessments were conducted to facilitate right-of-way property acquisition, removal of the underground storage tanks on-site, and remediation of site soils and groundwater according to MDNR MRBCA guidance. The site work was completed within the active right-of-way of Jennings Station Road, and was a key component in the redevelopment plans for the area. 2005

New Federal Prison, Charleston, Missouri. Project Manager for a NEPA Environmental Assessment for the construction of a new prison on approximately 120 acres of undeveloped farmland. Due to a change in policy within the U.S. Department of Justice, the decision to

require a NEPA analysis was not made until construction on the project was approximately 30% complete. Shannon & Wilson provided all services up to and including submittal of a draft NEPA Environmental Assessment suitable for distribution for public comment. As part of the Environmental Assessment process, the following environmental resources were evaluated to determine the environmental consequences of the possible alternatives; the no-action alternative is defined as stopping construction at 30% complete. The environmental resources evaluated for this project were: air quality, water quality, solid waste management, land use, transportation, natural environment, human population, energy impacts, historic preservation, endangered species, floodplain management and protection of wetlands, farmland protection, construction impacts, wild and scenic rivers, other impacts, cumulative impacts, and environmental justice. 2000

Community Supervision Centers, Missouri. Project Manager for NEPA Environmental Assessments completed for eight community supervision centers built throughout Missouri. Each EA included the analysis of impacts to environmental resources, historical and archeological sites, and the local cultural and economic environment. 2003

Highway 100 Major Transportation Investment Analysis and Environmental Assessment, Saint Louis County, Missouri. Project Manager. Coordinated all aspects of the project from fieldwork to presentation of the final report for an environmental assessment covering water quality, water resources, vegetation, wildlife habitat, endangered species, hazardous wastes, air quality, energy resources, and solid waste disposal along a 12-mile stretch of urban road in Saint Louis, Missouri. 1999

Fulton Reception and Diagnostic Center, Fulton, Missouri. Project Manager for a NEPA Environmental Assessment for renovations at a C5 maximum securities prison. The renovations included improvements on some of the structures in order to improve security, and construction of a new building for prisoner activities. Shannon & Wilson provided all services up to and including submittal of a draft NEPA Environmental Assessment suitable for distribution for public comment. Services included evaluating the proposed action, the no action alternative, and the possible alternative actions. 2000

Crab Orchard National Wildlife Refuge (CONWR), Marion, Illinois. Russ was the Project Manager for data collection services for the Phase II Remedial Investigation of the Additional and Uncharacterized Sites Operable Units. The project was located on 32 operable units spread across more than 25 square miles of the wildlife refuge. The project consisted of more than 400 soil borings, installation of 161 monitoring wells, and collection of more than 1,800 soil and groundwater samples. Russ was the point of contract for coordinating all work and interfacing between the client and regulatory oversight (which included the USFWS, USEPA, and Illinois EPA). Work requirements included UXO avoidance in approximately ½ the operable units, coordinating work with the Illinois Ordnance Plant which had active operations on seven operable units, managing impacts to wildlife habitat on the refuge, and implementing strict decontamination procedures. 2009

Phase I Environmental Site Assessments, Kentucky, North Carolina, Tennessee, Virginia. Field Scientist for Phase I site assessments at 11 sites. Russ conducted site visits, including review of current operations; conducted interviews with local sources; analyzed potential impacts from on- and off-site sources; contacted local regulatory agencies, and researched historical aerial photos. 1999

KBR Engineering, ALDI Grocery Store, Cape Girardeau, Missouri. Field Scientist for a Phase I/II site assessment for a prospective ALDI grocery store on a site previously used as a truck terminal. Eight soil borings were completed on site for geotechnical and environmental purposes. 1999

Mississippi Lime, Prairie du Rocher, Illinois. Performed Phase I environmental assessment, geophysical surveys using seismic refraction to map bedrock, and hazardous substance assessment on a 1,200-acre site. 1999

Missouri Baptist Hospital, Saint Louis County, Missouri. Field Scientist for Phase I site assessment. The 40-acre site included three active underground storage tanks. Chain of title documentation was completed for the site back to 1914. 1999

State of Missouri Department of Design and Construction, Community Release Centers, Missouri. Project Manager for multiple NEPA Environmental Assessments for the construction of community release centers throughout Missouri. Environmental Assessments have been completed at nine locations across the state. The projects consist of the construction of an approximately 21,000-square-foot facility on 3- to 20-acre parcels. 2003

Former Industrial Site, Saint Louis, Missouri. Performed Phase I hazardous substance assessment.

Phase I/II Environmental Investigations. Project Manager for various Phase I/II investigations, including:

- The Isle of Capri Casino, Kansas City, Missouri
- The Cargill facility in Osceola, Arkansas 1999
- The former Brown Shoe factory in Caruthersville, Missouri, 1999
- The Pulitzer Art Museum in St. Louis, Missouri, 1999
- A manufacturing plant in north-central Missouri
- A Quiktrip in Raytown, Missouri, 1999

Saint Louis Marketplace, Saint Louis, Missouri. Geophysicist for the award-winning Saint Louis Marketplace project, which included over 500,000 square feet of new store development on a 51-acre site formerly occupied by Scullin Steel and contaminated with hydrocarbons, heavy metals, and chlorinated solvents. Participated in a Phase I environmental assessment and follow-up cleanup activities; and design and construction-phase geotechnical services, including the original subsurface exploration, development of foundation recommendations, and extensive stability/settlement studies, resulting in the use of dynamic compaction as a foundation improvement technique. Railroad embankments and structures were also investigated.

PROFESSIONAL ASSOCIATIONS

Air and Waste Management Association Engineering and Environmental Geophysical Society National Ground Water Association

YEAR JOINED FIRM

December 1988

YEARS WITH OTHER FIRMS

EMPLOYMENT HISTORY

CLIENT REFERENCES

Mr. Richard Hyink, CHMM American Railcar Industries 100 Clark Street Saint Charles, Missouri 63301 (636) 940-6054

Mr. Mark Brady St. Louis County Economic Council 121 S Meramec 9th Floor Saint Louis, Missouri 63105 (314) 615-7665

Mr. Jeff Fleenor Missouri Division of Design & Construction P.O. Box 809 Jefferson City, Missouri 65102 (573) 751-3339

Mark A. Wieners | Geologist PROJECT GEOLOGIST

EDUCATION

BS, Geology, Saint Louis University, 2004 BA, Environmental Science, Saint Louis University, 2004

REGISTRATION

40-hour HAZWOPER Certified
10-hour OSHA Construction Industry Certified
AHERA-certified Asbestos Inspector, Missouri and Illinois
ACI Certification for Concrete Field Technician—Grade 1
Thermo Fisher Scientific NITON Analyzer Trained and Certified
Humboldt Scientific Nuclear Gauge Trained and Certified

Mark performs a variety of geologic investigations, Phase I and II environmental assessments, and geotechnical tasks at Shannon & Wilson. He has completed the OSHA-required 40-hour health and safety training course for work on hazardous waste sites, and participates in Shannon & Wilson's Health and Safety Plan Medical Surveillance Program.

Ohio Department of Transportation, Cleveland Innerbelt Bridge Project, Cleveland, Ohio. Mark performed field screening and collected both geotechnical and environmental soil samples from a boring located on the property of former fueling station. The boring was a concern since evidence of a petroleum release was observed in a nearby boring. 2011

Former Lemay Bank Environmental Studies, Saint Louis County Economic Council. Mark was the Project Scientist for a Phase I Environmental Assessment and asbestos study for the St. Louis County Economic Council at the Former Lemay Bank in Lemay, Missouri. Shannon & Wilson completed a Phase I EA, asbestos building inspection, and consulting for this project in preparation for demolition of the on-site structures. 2010

Flint Hills Resources, North Pole Refinery, Sulfolane Delineation, North Pole, Alaska. Mark's role was to collect soil samples and document the geology during the installation of monitoring wells related to the Flint Hills North Pole Refinery. The monitoring wells were installed as part of an environmental investigation and delineation of sulfolane contamination in the groundwater. 2010

Harrison Education Center, Saint Louis, Missouri. This site was enrolled in MDNR's Brownfields/Voluntary Cleanup Program due to groundwater contamination and soil contaminated with polycyclic aromatic hydrocarbon (PAHs) and lead from historical usage. Mark's role on this project was Environmental Consultant. In this capacity he performed environmental site characterization and risk assessment including groundwater plume delineation and monitoring, collection of environmental soil samples, and supervised installation of a vapor barrier system and clean soil cap. 2009-2010

Confidential Client, Crab Orchard National Wildlife Refuge (CONWR) Additional and Uncharacterized Sites Phase II Remedial Investigation, Marion, IL. Mark was part of a team that collected over 90 groundwater samples. He also collected approximately 20 soil samples during drilling and installation of a monitoring well using a Sonic drill rig. Groundwater and soil

samples were analyzed for environmental purposes. Mark also assisted in developing the newly installed wells prior to sampling and assisted in outdoor and indoor air sampling. 2009-2010

Phase I Environmental Investigations, Nationwide. Mark has performed over 30 Phase I Environmental Investigations. While completing the Phase I investigations, he was responsible for the following tasks: site visit, research the site, contact the appropriate fire department and health department, and review and study environmental site records and photos.

Phase II Environmental Investigations, in the vicinity of St. Louis, Missouri. Performed Phase II Environmental Investigations under the supervision of his superior.

Confidential Client, Saint Louis, Missouri. Mark served as the inspector for an asbestos inspection for a company located in downtown Saint Louis. The asbestos he was sampling was located in an elevator shaft. The inspection was completed so the building could be renovated. 2006

PROFESSIONAL ASSOCIATIONS

Association of General Contractors Association of Engineering Geologists

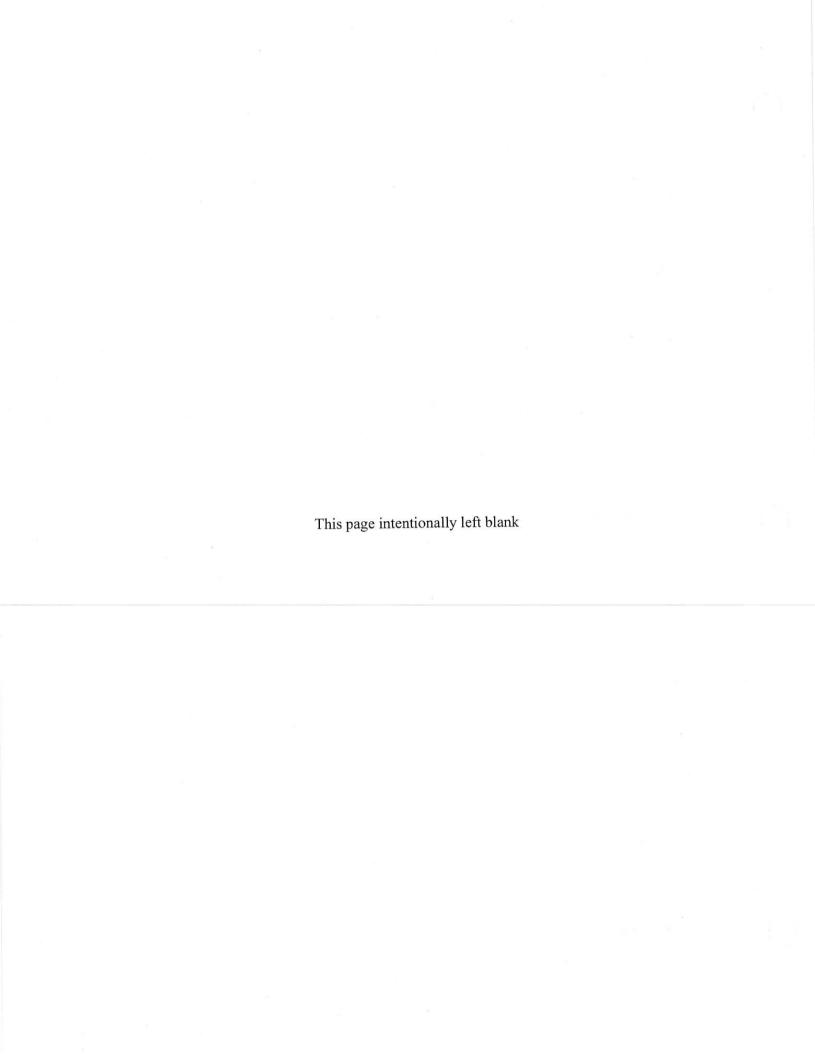
YEAR JOINED FIRM July 2004

YEARS WITH OTHER FIRMS

EMPLOYMENT HISTORY

CLIENT REFERENCES

Name Company Street Address City, State Zip Phone Number Appendix G





Attachment to Report: 41-1-37669-001

Dated: February 4, 2016

To: Mr. Greg Beavers

City of Farmington

Important Information About Your Environmental Site Assessment/Evaluation Report

ENVIRONMENTAL SITE ASSESSMENTS/EVALUATIONS ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

This report was prepared to meet the needs you specified with respect to your specific site and your risk management preferences. Unless indicated otherwise, we prepared your report expressly for you and for the purposes you indicated. No one other than you should use this report for any purpose without first conferring with us. No one is authorized to use this report for any purpose other than that originally contemplated without our prior written consent.

The findings and conclusions documented in this site assessment/evaluation have been prepared for specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. The conclusions presented are based on interpretation of information currently available to us and are made within the operational scope, budget, and schedule constraints of this project. No warranty, express or implied, is made.

OUR REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

Our environmental site assessment is based on several factors and may include (but not be limited to): reviewing public documents to chronicle site ownership for the past 30, 40, or more years; investigating the site's regulatory history to learn about permits granted or citations issued; determining prior uses of the site and those adjacent to it; reviewing available topographic and real estate maps, historical aerial photos, geologic information, and hydrologic data; reviewing readily available published information about surface and subsurface conditions; reviewing federal and state lists of known and potentially contaminated sites; evaluating the potential for naturally occurring hazards; and interviewing public officials, owners/operators, and/or adjacent owners with respect to local concerns and environmental conditions.

Except as noted within the text of the report, no sampling or quantitative laboratory testing was performed by us as part of this site assessment. Where such analyses were conducted by an outside laboratory, Shannon & Wilson relied upon the data provided and did not conduct an independent evaluation regarding the reliability of the data.

CONDITIONS CAN CHANGE.

Site conditions, both surface and subsurface, may be affected as a result of natural processes or human influence. An environmental site assessment/evaluation is based on conditions that existed at the time of the evaluation. Because so many aspects of a historical review rely on third party information, most consultants will refuse to certify (warrant) that a site is free of contaminants, as it is impossible to know with absolute certainty if such a condition exists. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas that showed no signs of contamination at the time they were studied.

Unless your consultant indicates otherwise, your report should not be construed to represent geotechnical subsurface conditions at or adjacent to the site and does not provide sufficient information for construction-related activities. Your report also should not be used following floods, earthquakes, or other acts of nature; if the size or configuration of the site is altered; if the location of the site is modified; or if there is a change of ownership and/or use of the property.

INCIDENTAL DAMAGE MAY OCCUR DURING SAMPLING ACTIVITIES.

Incidental damage to a facility may occur during sampling activities. Asbestos and lead-based paint sampling often require destructive sampling of pipe insulation, floor tile, walls, doors, ceiling tile, roofing, and other building materials. Shannon & Wilson does not provide for paint repair. Limited repair of asbestos sample locations are provided. However, Shannon & Wilson neither warranties repairs made by our field personnel, nor are we held liable for injuries or damages as a result of those repairs. If you desire a specific form of repair, such as those provided by a licensed roofing contractor, you need to request the specific repair at the time of the proposal. The owner is responsible for repair methods that are not specified in the proposal.

READ RESPONSIBILITY CLAUSES CAREFULLY.

Environmental site assessments/evaluations are less exact than other design disciplines because they are based extensively on judgment and opinion, and there may not have been any (or very limited) investigation of actual subsurface conditions. Wholly unwarranted claims have been lodged against consultants. To limit this exposure, consultants have developed a number of clauses for use in their contracts, reports, and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses may appear in this report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

Consultants cannot accept responsibility for problems that may develop if they are not consulted after factors considered in their reports have changed, or conditions at the site have changed. Therefore, it is incumbent upon you to notify your consultant of any factors that may have changed prior to submission of the final assessment/evaluation.

An assessment/evaluation of a site helps reduce your risk, but does not eliminate it. Even the most rigorous professional assessment may fail to identify all existing conditions.

ONE OF THE OBLIGATIONS OF YOUR CONSULTANT IS TO PROTECT THE SAFETY, HEALTH, PROPERTY, AND WELFARE OF THE PUBLIC.

If our environmental site assessment/evaluation discloses the existence of conditions that may endanger the safety, health, property, or welfare of the public, we may be obligated under rules of professional conduct, statutory law, or common law to notify you and others of these conditions.

The preceding paragraphs are based on information provided by the ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland