

Sanborn Softball Field #5 Stillwater, Oklahoma

Remediation Final Report



**Prepared by:
Department of Environmental Quality
707 North Robinson
Oklahoma City, Oklahoma 73101**



1	Deeds and Legal Documents	
2	Cleanup Decision Document	
3	Characterization and Sampling	
4	Scope of Work	
5	Final Remediation Reports	

Deeds and Legal Documents

**MEMORANDUM OF AGREEMENT
BETWEEN
THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AND
THE CITY OF STILLWATER**

The parties to this Memorandum of Agreement (MOA or Agreement), the Oklahoma Department of Environmental Quality (DEQ) and the City of Stillwater (City), agree to this MOA to address remediation of the City's contaminated property.

This MOA is being entered into under DEQ's statutory authority and jurisdiction, as set out in the Oklahoma Environmental Quality Act, 27A Oklahoma Statutes (O.S.) § 1-3-101, and the Oklahoma Environmental Quality Code, specifically 27A O.S. §§ 2-3-202(A), 2-3-506, 2-6-105, and applicable rules.

PURPOSE

1. The purpose of this MOA is to establish a mutual framework regarding responsibilities and obligations of DEQ and the City in regard to the Sanborn Lake Park & Sports Complex (Site) located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 E in Payne County, Oklahoma. The legal description of the property is in Attachment A. Only a portion of the Site, Field #5, is contaminated and in need of remediation. Henceforth, Field #5 will be referred to as the Contaminated Property (Attachment B). This Agreement is for access, remediation, and maintenance of the Contaminated Property. The areas of responsibility and relationships presented herein provide the concept under which the MOA will be executed.

BACKGROUND

2. Sanborn Lake Park & Sports Complex is owned by the City of Stillwater and is located at 1201 W. Airport Road, Stillwater, OK, 74075. Based on historic aerial photography, the Contaminated Property operated as a trap range from approximately 1969 until the late 70s. The primary contaminant encountered is lead. Laboratory analyses from two sampling events indicate that lead concentrations on the Contaminated Property exceed industrial standards. Lead contamination appears to be restricted to the outfield of the Contaminated Property.

RESPONSIBILITIES OF THE PARTIES

3. The City's Responsibilities:

- Allow DEQ and its contractors to perform remediation on the Contaminated Property;
- Restrict access to the Contaminated Property until all work is complete;
- Coordinate and cooperate with DEQ and DEQ's contractors;
- Locate any and all underground service lines and utilities;
- Locate any and all irrigation pipelines and sprinkler heads;
- Disconnect all electrical systems that may interfere with work;
- Disconnect irrigation system in excavation area. Remove if necessary;
- Reinstall irrigation system;
- Remove fence surrounding Contaminated property to allow access to work area;
- Place Bermuda Sod (or equivalent) after remedial activities (i.e. excavation/backfilling);
- Establish and maintain sod/vegetation; and
- Provide source for clean fill.

4. The DEQ's Responsibilities:

- Excavate contaminated soil and dispose of appropriately;
- Backfill excavated area with common fill and top soil to appropriate grade;
- Inform the City of progress, delays, or issues;
- Provide final report to the City documenting DEQ activities; and
- Reimburse the City for all costs related to installment of irrigation system and sod/vegetation once work is completed.

RESPONSIBILITY FOR COSTS

5. DEQ is responsible for costs associated with the remediation of the Contaminated Property, including excavation of contaminated soils and backfilling of clean soils. DEQ will reimburse City for costs associated with reinstalling irrigation system and establishing vegetation. DEQ will require an estimate, letter of request, and invoice with zero balance to provide reimbursement. Once the request for reimbursement and supporting documentation is received, DEQ will reimburse the City of Stillwater for such expenses up to a maximum of twenty-seven thousand dollars (\$27,000.00). DEQ is not responsible for costs associated

with maintenance and mowing of the Contaminated Property. The City is responsible for up-front costs associated with installment of irrigation system and establishing vegetation, and costs associated with maintenance and mowing of the Contaminated Property. This MOA is contingent upon funding and shall terminate without penalty either in whole or part if funds are not appropriated to the Site Cleanup Assistance Program. DEQ shall notify the City if any suspension, termination, or delays occur due to funding.

GENERAL PROVISIONS

6. No informal advice, guidance, suggestions or comments by employees of DEQ regarding reports, plans, specifications, schedules, and other writings relieve or modify the City's obligation to obtain written approval by DEQ when required by this Agreement.
7. Nothing in this Agreement relieves the City of its obligation to comply with all applicable federal, state and local statutes, rules and ordinances in conducting activities under this Agreement.
8. This Agreement and associated remediation are being voluntarily undertaken by DEQ in an effort to mitigate a potential hazard to human health and the environment. Nothing in this Agreement shall create any liability for DEQ or any of its employees, and DEQ shall not be responsible for any remediation or actions beyond what is expressly stated in this Agreement.
9. The provisions of this Agreement apply to and are binding upon the City and its officers, directors, employees, agents, successors and assigns.
10. The City and DEQ agree that the venue of any action for the purposes of interpretation, implementation and enforcement of this Agreement will be in the Oklahoma District Court for Oklahoma County, Oklahoma.
11. The Parties may amend this Agreement by mutual consent. Such amendments must be in writing signed by the Parties' authorized representatives, and the effective date of the amendments will be the date on which they are signed by DEQ.

12. Unless otherwise notified, any report, notice or other communication required under this Agreement must be in writing and must be sent by mail or by electronic submission or both to:

For the DEQ:


Brian Stanila
Environmental Program Specialist
Department of Environmental Quality
707 North Robinson, PO Box 1677
Oklahoma City, OK 73101-1677
(405) 702-5138
Brian.Stanila@deq.ok.gov

For the City:

Jim Scott
Parks and Recreation Operations Manager
P.O. Box 1449
Stillwater, OK 74076-1449
(405) 533-8505

EFFECTIVE DATE: This Agreement becomes effective upon the date of the signature of the Executive Director of DEQ.

ACCEPTANCE OF AGREEMENT: The parties acknowledge and agree that they have read the MOA and that they accept the responsibilities with which they are charged.


Norman McNickle
Interim City Manager
City of Stillwater

2-24-16
Date


Scott A. Thompson
Executive Director
Department of Environmental Quality

3-2-16
Date

ATTACHMENT A

ATTACHMENT B

Aerial Photograph of Site



0 280 560 840 Feet SS=Soil Sample

Map created by Brian Stanila
on 8/2/2013.

ORDINANCE NO. 1013

AN ORDINANCE ANNEXING CERTAIN TERRITORY TO THE CITY OF STILLWATER, PAYNE COUNTY, STATE OF OKLAHOMA, TO WIT: A TRACT OF LAND LOCATED IN SECTIONS 33 AND 34, T 20 N, R 2 E AND SECTIONS 3 AND 4, T 19 N, R 2 E OF THE INDIAN MERIDIAN, DESCRIBED BY METES AND BOUNDS AS FOLLOWS: BEGINNING AT A POINT 1320 FEET WEST OF THE SOUTHEAST CORNER OF SECTION 34, TOWNSHIP 20 NORTH, RANGE 2 EAST OF THE INDIAN MERIDIAN; THENCE NORTH 2630.6 FEET TO CENTERLINE OF SAID SECTION 34; THENCE WEST 330 FEET; THENCE NORTH 660 FEET; THENCE WEST 990 FEET; THENCE NORTH 1947 FEET; TO SOUTH ROW LINE OF SECTION LINE ROAD; THENCE WEST 2640 FEET; THENCE SOUTH 2247 FEET; THENCE WEST 1900 FEET; THENCE SOUTH 1311.6 FEET; THENCE WEST 740 FEET TO CENTERLINE OF SECTION 33, T 20 N, R 2 E; THENCE SOUTH ALONG SAID LINE 1691.9 FEET TO SOUTH LINE OF SAID SECTION 33; THENCE WEST ALONG SAID SOUTH LINE 990 FEET; THENCE SOUTH 2640 FEET; THENCE WEST 333.3 FEET; THENCE SOUTH 1327.75 FEET; THENCE EAST 1323.3 FEET; THENCE SOUTH ALONG CENTERLINE OF SECTION 4, T 19 N, R 2 E, A DISTANCE OF 1294.75 FEET TO NORTH R-O-W LINE OF LAKEVIEW DRIVE; THENCE EAST 2646 FEET TO A POINT 33 FEET NORTH OF THE SOUTHEAST CORNER OF SECTION 4; THENCE NORTH 1617 FEET; THENCE EAST 2640 FEET; THENCE SOUTH 331.5 FEET; THENCE EAST 660 FEET; THENCE NORTH 1321.5 FEET; THENCE EAST 660 FEET; THENCE NORTH 2634.8 FEET TO THE POINT OF BEGINNING.

BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF STILLWATER, PAYNE COUNTY, STATE OF OKLAHOMA:

Section 1. That the following territory is hereby annexed to the City of Stillwater, Payne County, Oklahoma, to-wit:

A tract of land located in Sections 33 and 34, T 20 N, R 2 E and Sections 3 and 4, T 19 N, R 2 E of the Indian Meridian, described by metes and bounds as follows: Beginning at a point 1320 feet West of the Southeast Corner of Section 34, Township 20 North, Range 2 East of the Indian Meridian; thence North 2630.6 feet to centerline of said Section 34; thence West 330 feet; thence North 660 feet; thence West 990 feet; thence North 1947 feet to south R-O-W line of Section line road; thence West 2640 feet; thence South 2247 feet; thence West 1900 feet; thence South 1311.2 feet; thence West 740 feet to centerline of Section 33, T 20 N, R 2 E; thence South along said line 1691.9 feet to South line of said Section 33; thence West along said South line 990 feet; thence South 2640 feet; thence West 333.3 feet; thence South 1327.75 feet; thence East 1323.3 feet; thence South along centerline of Section 4, T 19 N, R 2 E a distance of 1294.75 feet to north R-O-W line of Lakeview Drive; thence East 2646 feet to a point 33 feet North of the Southeast Corner of Section 4; thence North 1617 feet; thence East 2640 feet; thence South 331.5 feet; thence East 660 feet; thence North 1321.5 feet; thence East 660 feet; thence North 2634.8 feet to point of beginning.

Section 2. The Commissioner of Revenue and Accounting and Ex-Officio Clerk of the Board of Commissioners, as Clerk of the Board shall cause a certified copy hereof, with the plat, to be filed with the County Clerk as provided by law.

BOOK 145 misc PAGE 323

Section 3. Whereas, an immediate necessity exists therefor for the preservation of the public peace, health and safety, an emergency is hereby declared to exist by reason whereof this Ordinance shall be in full force and effect from and after its passage, approval and publication.

PASSED AND APPROVED this 29 day of March, 1961.

W. B. Alcott
Commissioner - Mayor

ATTEST:

Arthur D. Linton
Commissioner of Revenue and
Accounting, Ex-Officio Clerk
of the Board of Commissioners.

RECORDED IN BOOK 145 PAGE 323
FILED FOR RECORD
- COUNTY OF BAYLOR
STATE OF TEXAS



DEED NOTICE AND LAND USE RESTRICTIONS

COMPLETION OF REMEDIATION STILLWATER SANBORN FIELD #5 STILLWATER, OKLAHOMA

I-2017-008350 Book: 2404 pg: 192
7/11/2017 11:10 AM pgs: 192 - 197
Fees: \$23.00 Doc: \$0.00
Glenna Craig, Payne County Clerk
Payne County - State of Oklahoma

RETURNED AT COUNTER

AFFECTED PROPERTY: The Affected Property is the fifth softball field at the Sanborn Lake Park and Sports Complex located at 1201 W. Airport Road, Stillwater, OK, 74075. (See Attachment A.)

The fifth softball field is located entirely within the following legal description:

Northwest Quarter of the Northeast Quarter of Section 3, Township 19 North, Range 2 East of the Indian Meridian in Payne County, Oklahoma;

LESS;

A tract of land located in sections 33 and 34, T 20 N, R 2 E and sections 3 and 4, T 19 N, R 2 E of the Indian Meridian, described by metes and bounds as follows: beginning at a point 1320 feet west of the southeast corner of section 34, township 20 north, range 2 east of the Indian Meridian; thence north 2630.6 feet to centerline of said section 34; thence west 330 feet; thence north 660 feet; thence west 990 feet; thence north 1947 feet; to south ROW line of section line road; thence west 2640 feet; thence south 2247 feet; thence west 1900 feet; thence south 1311.6 feet; thence west 740 feet to centerline of section 33, T 20 N, R 2, E; thence south along said line 1691.9 feet to south line of said section 33; thence west along said south line 990 feet; thence south 2640 feet; thence west 333.3 feet; thence south 1327.75 feet; thence east 1323.3 feet; thence south along centerline of section 4, T 19 N, R 2 E, a distance of 1294.75 feet to north R-O-W line of Lakeview Drive; Thence east 2646 feet to a point 33 feet north of the southeast corner of section 4; thence north 1617 feet; thence east 2640 feet; thence south 331.5 feet; thence east 660 feet; thence north 1321.5 feet; thence east 660 feet; thence north 2634.8 feet to the point of beginning.

LEGAL BASIS FOR NOTICE: The Oklahoma Department of Environmental Quality ("DEQ") hereby files this Notice of Remediation pursuant to Oklahoma Statutes, 27A O.S. § 2-7-123(C). This Notice does not grant any right to any person not already allowed by law. This Notice shall not be construed to authorize or encourage any person or other legal entity to cause or increase pollution, to avoid compliance with State or Federal laws and regulations regarding pollution or to in any manner escape responsibility for maintaining environmentally sound operations.

DEQ may take administrative or civil action to recover costs or to compel compliance with the below described "Land Use Restrictions" and to prevent damage to, or interference with the below described "Engineering Controls" and "Continuing Operation, Maintenance and Monitoring." The Land Use Restrictions, Engineering Controls and Continuing Operation, Maintenance and Monitoring will apply to the Affected Property and to persons who own and/or use the Affected Property until such time as the DEQ files a subsequent Notice that changes or removes the Land Use Restrictions, Engineering Controls and Continuing Operation,

Maintenance and Monitoring set forth below. Activities that cause or could cause damage to the Remedy or the Engineering Controls described below, or recontamination of soil or groundwater are prohibited.

REASON FOR NOTICE: The above described Affected Property was contaminated with materials necessary to remediate for protection of human health and the environment. Sampling performed by DEQ contractors, conducted on May 28, 2013 and February 19-20, 2014, identified lead as potential risk to human health.

REMEDY: Remediation activities at the Affected Property include removal and proper disposal of lead impacted soils to a depth of 12", installing an orange-colored barrier above the contaminated soils that were left in place, and backfilling with clean top soil, grading and vegetating the capped area.

Remedial activities were completed on May 17, 2016.

For more detailed information please contact:

Oklahoma Department of Environmental Quality
Central Records

Mailing Address
P.O. Box 1677
Oklahoma City, Oklahoma 73101

Physical Address
707 N Robinson
Oklahoma City, OK 73102

ENGINEERING CONTROLS: The engineering control at this site is an orange barrier separating the clean and contaminated soil underneath a 12" soil cap with vegetation (grass) planted on top of the soil. Attached map shows location of engineering controls. (See **Attachment B.**)

LAND USE RESTRICTIONS: Land use restrictions apply to the area where the engineering control was implemented. (See map in **Attachment B.**) The land use restrictions at the above-described Affected Property are:

1. No digging in the capped area unless digging is performed in the manner stated below:
 - a. An orange barrier exists 12 inches below grade within the capped area. Clean material exists between the orange barrier and the surface. If digging takes place within the capped area, clean material removed above 12" shall be segregated from material excavated from below the barrier.
 - b. Material below the orange barrier has some level of contaminants and is not suitable for the top 12 inches of fill. Material removed from below the orange barrier shall be returned to the excavation area to the extent possible but no higher than 12" below grade or to the level of the barrier. Any remaining soil excavated from below the barrier shall be properly disposed in an offsite landfill.

- c. The top 12 inches or space above the orange barrier shall be backfilled with uncontaminated soil and revegetated. The excavation area shall be compacted and graded to the pre-excavation elevation. The finished grade shall match the surrounding area and promote positive drainage;
2. No tilling deeper than 6 inches to prevent working the contaminated soil to the surface;
3. No activities that will cause erosion of the soil. Disturbed areas shall be revegetated and maintained to prevent erosion; and
4. No residential uses of the capped area of the Affected Property.

CHANGING LAND USE RESTRICTIONS: Changes to land use restrictions must be approved by the DEQ or its successor agency. The person requesting the change in land use must demonstrate to the DEQ's satisfaction that contamination at the site has been remediated appropriate for the proposed new land uses and that further remediation is not necessary or that additional institutional or engineering controls are adequate to achieve levels protective of human health and the environment for the proposed uses.

The DEQ may require oversight costs, work plans, sampling, reports, and public participation as part of its review of the new information to support the requested change in land use restrictions. The person requesting the change will be required to follow agency procedures effective at the time of the request.

The DEQ at its discretion may determine, based on the new information submitted, that contaminants are present at the Site at levels that will not pose a risk to human health or the environment if the new land use restrictions being requested are allowed. Upon making this determination, the DEQ will file a recordable notice of remediation pursuant to state law in the land records in the office of the county clerk where the Site is located designating the new land use restrictions.

This Notice of Remediation and the restrictions and requirements contained herein run with the land and no change of ownership of the Affected Property will change the Land Use Restrictions.



Scott A. Thompson, Executive Director
Oklahoma Department of Environmental Quality

6-17-17

Date

ACKNOWLEDGMENT

STATE OF OKLAHOMA
COUNTY OF OKLAHOMA



Before me, a Notary Public, in and for said County and State, on this 7th day of June, 2017, personally appeared Scott A. Thompson to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that executed the same as free and voluntary act and deed for the uses and purposed therein set forth. In Testimony Whereof, I have hereunto set my hand and official seal the day and year above written.

My Commission expires:

April 13, 2019.


Notary Public

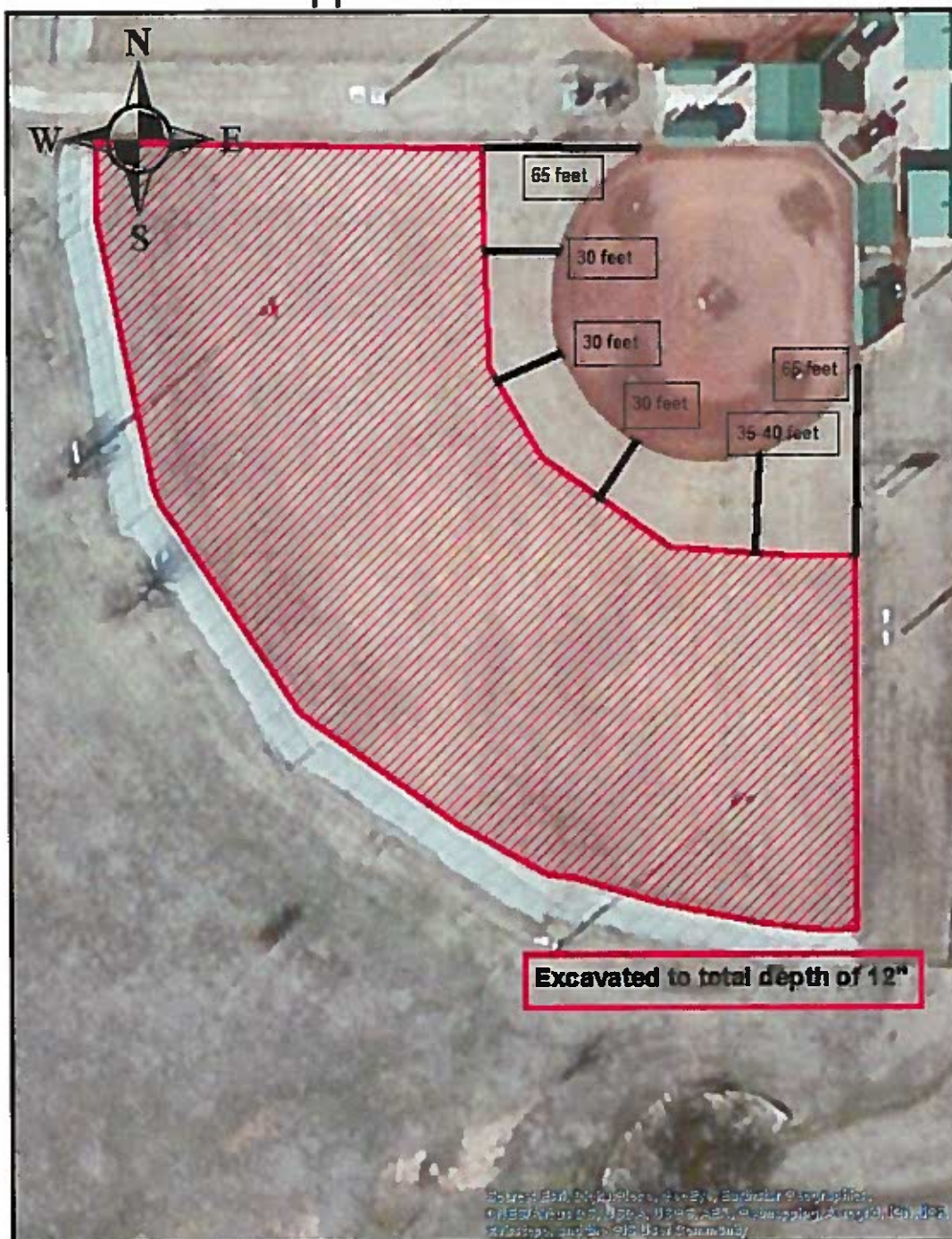
ATTACHMENT A

Stillwater Sanborn Field #5



ATTACHMENT B

Capped Area of Field #5



0 40 80 120
Feet

Cleanup Decision Document

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

REMEDIAL ACTION DECISION

SANBORN SOFTBALL FIELD #5

STILLWATER, OKLAHOMA

SITE NAME AND LOCATION

The Sanborn Softball Field #5 (Sanborn Field or Site) is part of the Sanborn Lake Park & Sports Complex located at 1303 W Airport Road, Stillwater, OK, 74075 (Figure 1). The property is owned by the City of Stillwater and is located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East and the reference point is latitude 36°09'30.03" N, longitude 97°04'33.75" W.

SITE DESCRIPTION AND HISTORY

The Sanborn Lake Park & Sports Complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond. It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. The Site encompasses the eastern half of the complex. There are open grassy areas to the west and south of these fields.

Based on historic aerial photography, the Site operated as a trap range from approximately 1969 until the late 1970's. Trap shooting is a type of competitive shooting utilizing shotguns. Participants stand in one of several shooting positions as clay pigeons are launched into the air away from the shooter. The fallout zone from the shooting range overlies Sanborn Softball Field #5, which was being used for adult softball fields with participants typically in the 16-50 year old range.

SUMMARY OF CONTAMINANTS AND POTENTIAL RISKS TO HUMAN HEALTH

Previous site investigations under the Site Cleanup Assistance Program have identified lead as potential risk to human health. Soil samples collected from the Site contained lead concentrations that exceeded regional screening levels (RSLs) and failed Toxicity Characteristic Leaching Procedure (TCLP) tests. Failing of TCLP identifies the samples as characteristically hazardous. Lead is the primary constituent of concern (COC) for the Site.

REMEDIAL ACTION OBJECTIVES AND REMEDIATION GOALS

The Oklahoma Department of Environmental Quality (DEQ) remedial action objectives include the following:

- Remove lead impacted soils to a depth of 12" and dispose appropriately

- Backfill excavated area with clean top soil
- Grade site in a manner that provides natural flow and prevents ponding
- Vegetate all disturbed soils

The DEQ will consider any additional potential COC's as co-located with lead. DEQ's proposed remedial action objectives do not include removing soils beyond 12" in depth. Therefore, it is possible to encounter contaminated soils beyond 12" in depth. To prevent the accidental encounter of lead contaminated soils an orange barrier fence will be placed at 12" in depth.

REMEDIATION FINAL REPORT

Following the successful completion of soil remediation at the Site, the DEQ will document its activities in a Final Report. The Final Report will include all planning and construction documents related to the remediation of the Site.

Characterization and Sampling

TECHNICAL MEMORANDUM

DATE: July 31, 2013

TO: Sanborn Softball Fields File

FROM: Brian D. Stanila, Environmental Programs Specialist II

RE: Sanborn Softball Fields Sample Results

Background

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Softball Fields in Stillwater, OK once operated as an outdoor firing range. The complainant stated that there were lead bullets on the ground and that when players slid into bases lead bullet fragments could be seen. The purpose of the study is to evaluate the potential human health risk caused by activities at the outdoor firing range.

Sanborn Lake Park & Sports Complex (Site) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075. The site is located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East and the reference point is latitude 36°09'30.03" N, longitude 97°04'33.75" W. Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s.

The Site consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond. It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the Site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of the Site.

The primary contamination expected to be encountered is widely dispersed, weathered lead pellets from the trap range. Secondary contamination expected to be encountered at the site, could consist of total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) from weathered "clay pigeons". The Site is currently used for adult softball fields with participants typically in the 16-50 year old range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH. Due to its frequency and abundance lead will serve as the driver for the Site, unless analytical data suggest that TPH and PAH provide a greater risk. The DEQ's objectives are to determine if lead is present above residential screening levels at the Sanborn Fields.

Sampling Activities

On May 28, 2013, four grab samples were collected from the Site for the purpose of PAH and TPH analysis. The results of the analysis are present in Table 1. On May 29, 2013, seven grab samples and eight five-composite samples were collected from fields #4 and # 5 for the purpose of lead analysis. Additionally, 40 five-point composite samples were collected from the field behind the ball fields for the purpose of lead analysis. The results of the analysis are present in Table 2 and Table 3. Please refer to Appendix A for Sampling and Analysis Plan (SAP). Please refer to Appendix B for Health and Safety Plan (HASP). Please refer to Appendix C for field sampling notes. Figure 1 shows sample locations.

Results

Table 1. TPH Results

Sample ID	TPH (C Range)	Value (mg/kg)	Date	Time	Sample Type
HS-1	C6-C12	< 10.0	5/28/2013	12:45	grab
HS-1	C12-C28	< 10.0	5/28/2013	12:45	grab
HS-1	C28-C36	< 10.0	5/28/2013	12:45	grab
HS-2	C6-C12	< 10.0	5/28/2013	13:00	grab
HS-2	C12-C28	< 10.0	5/28/2013	13:00	grab
HS-2	C28-C36	34	5/28/2013	13:00	grab
HS-3	C6-C12	< 10.0	5/28/2013	13:00	grab
HS-3	C12-C28	< 10.0	5/28/2013	13:00	grab
HS-3	C28-C36	103	5/28/2013	13:00	grab
HS-4	C6-C12	< 10.0	5/28/2013	13:10	grab
HS-4	C12-C28	< 10.0	5/28/2013	13:10	grab
HS-4	C28-C36	256	5/28/2013	13:10	grab

- HS-3 is duplicate
- Highlighted values exceed TPH screening levels

Table 2. Soil Sample Results

Sample ID	Pb (mg/kg)	Date	Time	Sample Type
SS-1	426	5/29/2013	10:00	composite
SS-2	49	5/29/2013	10:10	composite
SS-3	38	5/29/2013	10:15	composite
SS-4	31	5/29/2013	10:25	composite
SS-5	163	5/29/2013	10:30	composite
SS-6	299	5/29/2013	10:40	composite
SS-7	265	5/29/2013	10:40	composite
SS-8	399	5/29/2013	11:00	composite
SS-9	624	5/29/2013	10:50	composite
SS-10	361	5/29/2013	11:15	composite
SS-11	1060	5/29/2013	11:50	composite
SS-12	901	5/29/2013	11:40	composite
SS-13	343	5/29/2013	12:00	composite
SS-14	119	5/29/2013	12:15	composite
SS-15	90	5/29/2013	12:25	composite
SS-16	59	5/29/2013	13:30	composite
SS-17	113	5/29/2013	13:40	composite
SS-18	188	5/29/2013	13:45	composite
SS-19	150	5/29/2013	13:55	composite
SS-20	109	5/29/2013	13:55	composite
SS-21	84	5/29/2013	14:00	composite
SS-22	71	5/29/2013	14:15	composite
SS-23	58	5/29/2013	14:25	composite
SS-24	102	5/29/2013	14:35	composite
SS-25	128	5/29/2013	14:40	composite
SS-26	46	5/29/2013	14:30	composite
SS-27	41	5/29/2013	14:20	composite
SS-28	44	5/29/2013	14:10	composite
SS-29	105	5/29/2013	14:00	composite
SS-30	44	5/29/2013	13:45	composite
SS-31	46	5/29/2013	13:45	composite

- SS-7, SS-20, SS-31 are duplicate samples
- Values highlighted yellow exceed residential screening levels for lead
- Values highlighted red exceed industrial screening levels for lead

Table 3. Ball Field Sample Results

Sample ID	Pb (mg/kg)	Date	Time	Sample Type
BF-1	332	5/29/2013	10:15	composite
BF-2	325	5/29/2013	10:35	composite
BF-3	140	5/29/2013	10:45	composite
BF-4	519	5/29/2013	11:05	composite
BF-5	814	5/29/2013	11:30	composite
BF-6	1530	5/29/2013	11:45	composite
BF-7	2340	5/29/2013	11:45	composite
BF-8	42	5/29/2013	12:10	composite
BF-9	18	5/29/2013	10:25	grab
BF-10	18	5/29/2013	10:31	grab
BF-11	21	5/29/2013	10:40	grab
BF-12	33	5/29/2013	11:25	grab
BF-13	57	5/29/2013	11:33	grab
BF-14	65	5/29/2013	11:45	grab
BF-15	61	5/29/2013	11:45	grab

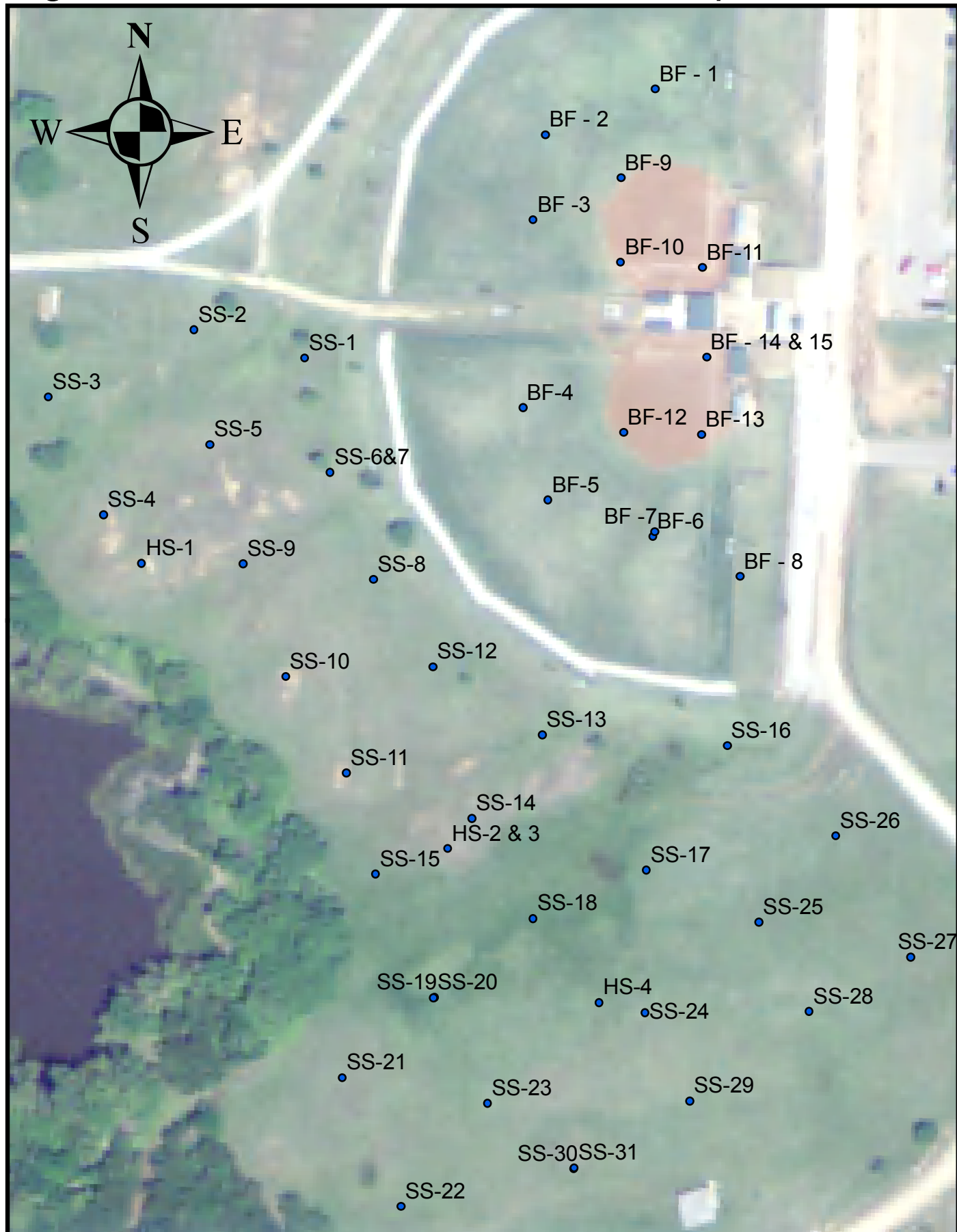
- BF-7 and BF-15 are duplicate samples
- Values highlighted yellow exceed residential screening levels for lead
- Values highlighted red exceed industrial screening levels for lead

Discussion

The DEQ uses EPA Region 6 screening levels where appropriate. The residential screening level for lead is 400 mg/kg and the industrial screening level for lead is 800 mg/kg. Screening level for TPH as per the DEQ fact sheet is 50 mg/kg.

Two samples collected exceeded TPH screening levels. Eight samples collected from the site exceeded residential screening levels. Of those eight, five exceeded industrial screening levels.

Figure 1. Sanborn Softball Fields Sample Locations



APPENDIX A

Sampling Analysis Plan for Sanborn Lake Park & Sports Complex

1. INTRODUCTION

1.1. *Site History*

Sanborn Lake Park & Sports Complex (Sanborn Fields or Site) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075 (Figure 1). The site is located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East and the reference point is latitude 36°09'30.03" N, longitude 97°04'33.75" W. Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s (Figure 2). Trap shooting is a type of competitive "clay pigeon" shooting utilizing shotguns. Participants stand in one of several shooting positions and the clay pigeons are launched into the air away from the shooter. The loads typically utilized are #7½-#8½ shot, containing either 7/8, 1, or 1 1/8 ounces of lead pellets. The primary contamination expected to be encountered is widely dispersed, weathered lead pellets from the trap range (Figure 3). Secondary contamination expected to be encountered at the site, should consist of total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) from weather "clay pigeons".

1.2. *Purpose of Study*

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Fields once operated as an outdoor firing range. The complainant stated that there were lead bullets on the ground and that when players slid into bases lead bullet fragments could be seen. The purpose of the study is to evaluate the potential human health risk caused by activities at the outdoor firing range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH. Due to its frequency and abundance lead will serve as the driver for the Site, unless analytical data suggest that TPH and PAH provide a greater risk. The DEQ's data quality objectives are to determine if lead is present above residential screening levels at the Sanborn Fields.

2. SITE DESCRIPTION

The Site is currently used for adult softball fields with participants typically in the 16-50 year old range. The western fields were constructed in the middle 70's and the two eastern fields have been in operation since April of 1980. Children will be on site if accompanying adults to softball games or during occasional events held in the open fields surrounding the ball fields.

The entire complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond (Figure 1). It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. The area of concern is the eastern half of the complex which includes fields #4 and #5 (Figure 4). There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with

the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the Site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of Field #4 and #5.

3. SAMPLING ACTIVITIES

3.1. Targets

DEQ anticipates human health targets will include athletes playing on Sanborn Fields and children playing around Sanborn Fields. The exposure pathway for primary contaminants at the site, include ingestion and inhalation. Exposure may come from strong winds blowing lead contaminated dust in the air or from incidental ingestion from softball related activities. The exposure pathway for secondary contamination at the site, includes ingestion and dermal contact. Exposure may come through children or adults picking up pieces of weather “clay pigeons” and accidental or intentional ingestion of “clay pigeon” pieces.

3.2. Contaminants of Concern

The contaminants of concern (COC) at the site include lead, TPH, and PAH. Lead should be widely dispersed across the site. The shot fall zone should extend to a maximum distance of 800 feet beyond the shooting pads. However, the highest concentrations of lead are expected to be found between 375-600 feet beyond the shooting pads.

Based on guidance documents and similar sites evaluated by the DEQ, TPH and PAH are considered COC. Both TPH and PAH may have been used in constructing “clay pigeons” and both have been documented at other outdoor firing range sites. A Site recon confirms that the remnants of “clay pigeons” are present at the Site, however, they appear to be concentrated within the 375-600 foot “hot-zone” and are aggregated in small patches across the site.

3.3. Field Procedures

3.3.1. Sample design

The DEQ will utilize a grid sample technique to sample the field behind the fenced Sanborn Softball Fields. The field behind the Sanborn Softball Fields will be sectioned into 100 x 100 foot grids and one five-point composite sample will be collected from each grid. The five collection points will come from the center and each corner of the 100 x 100 grid. A GPS point will be collected from the center aliquot in each grid (Figure 5). Additionally, grab samples will be collected from several areas where visible “clay pigeons” are present. These samples will be analyzed for TPH and PAH.

The Sanborn Softball Fields proper will be sampled by sectioning the ball fields into thirds and then collecting one five-point composite sample from each section. Aliquots will be collected from the infield, outfield, and baseline of each section. A GPS point will be collected at the center aliquot of each section (Figure 5). Additionally, DEQ will collect one grab sample from 2nd base, 3rd base, and home plate, where the likelihood of sliding and thus exposure increases. A

GPS point will be collected for each grab sample collected (Figure 5). This sample design is being employed so that grids do not overlap on fields #4, #5, and the area behind the fields. Also, this design allows each softball field and area behind the softball fields to be analyzed separately.

3.3.2. Sample collection

DEQ estimates 30 composite samples and six grab samples will be collected for lead analysis. As per DEQ's Quality Management Plan, a duplicate sample will be collected at the rate of one per every 10 samples. DEQ anticipates collecting four duplicate lead samples. Additionally, DEQ estimates that three TPH and PAH soil samples and one duplicate sample will be collected.

Samples will be collected with dedicated stainless steel spoons and homogenized in 13" x 18" 6 mil poly zip-lock bags. Samples will be collected from 0-6" depth. Each spoon will be dedicated to its sample and bags will not be re-used, thus there is no need for decontamination in the field or between samples. Used spoons will be placed in used collection bags and stored in a large garbage bag until the sample team returns to DEQ. Upon returning to DEQ, used bags will be disposed of appropriately and used spoons will be decontaminated using DI water and liquinox.

One person from each sample team will be responsible for documenting the sample collection process in the field log book. Items to be recorded include but are not limited to; site name, description of field task, date and time field work begins, weather conditions, sample team members, time of sample collection, sample number, sample location, sample media, and physical properties or descriptions of media.

3.3.3. Sample collection equipment

- Flags
- Stainless Steel Spoons
- 13" x 18" 6 mil poly zip-lock bags
- Trowels
- 4 oz collection jars
- Coolers with ice
- Global Positioning System (GPS)
- Range Finder
- Nitrile Gloves
- Camera
- Chain of custody forms
- Sample log in sheets
- Sample labels
- Field log books
- Garbage Bags

3.3.4. Sample handling and QA/QC

After collection, each sample will be placed in the appropriate sample container. Each sample container will be labeled onsite with indelible ink as to sample date, sample time, and sample ID. The sample team is responsible for labeling each sample container. To avoid cross contamination, all samplers will don nitrile gloves during sample collection process. Nitrile gloves will only be used for once. Spent gloves will be placed in a large garbage bag and disposed of appropriately upon returning to DEQ. Under no circumstances will any set of gloves be used more than once.

3.4. Lab Methods

3.4.1. Sample Analysis

For sample analysis DEQ will utilize the State Environmental Laboratory (SEL). EPA Method 6010 will be used to analyze composite and grab soil samples for total lead concentration. EPA Method 8270DM will be used to analyze grab samples for PAH and TX 1005 Method will be used to analyze grab samples for TPH.

3.4.2. Sample Receipt

Incoming samples will also be accounted for via chain-of-custody (COC) forms. Sample collectors will have the responsibility for properly completing this form. When samples are received, Sample Receiving personnel will check for accuracy and completeness, accept custody, and file COCs with other sample login paperwork in file cabinets located in Sample Receiving. The Project Manager will be given duplicate copies of login forms for separate storage with other records related to this project. The Project Manager will act as sample custodian and will ensure that all samples are relinquished and received by Sample Receiving. If samples are delivered after operating business hours, sample custodian will follow appropriate Sample Receiving protocols and will lock samples in Sample Receiving. The sample number and parameters shall be logged into a computer for tracking. Sample custody shall be maintained in the sample receiving area until disbursement for analysis. All samples will be stored in the laboratory area until all analyses have been performed and results verified.

4. DATA MANAGEMENT AND ANALYSIS

4.1. Data Management

All sample results, field notes, and relevant information will be returned to the Project Manager. Sample custody prior to sample login and pickup by the appropriate section is the responsibility of Sample Receiving, as is the responsibility for assignment of sample number and distribution and storage of Laboratory Final Reports.

4.2. Data analysis

DEQ will evaluate the data to determine if results are consistent with shot fall zone and recognized hot spots. DEQ will also review the data to determine if any contaminants at the Site exceed human health screening levels.

5. PROJECT MANAGEMENT

Brian D. Stanila
Environmental Programs Specialist
Land Protection Division
Brian.Stanila@deq.ok.gov
(405) 702-5138

6. ESTIMATE OF COST

Item	Number (n)	Cost of Method (ea)	Total Cost
Total Lead Analysis (Method 6010) – Soil Samples	36	\$22.87	\$823.32
Total Lead Analysis (Method 6010) - Duplicates	4	\$22.87	\$91.36
TPH Analysis (TX 1005)	3	\$80.57	\$241.71
TPH Analysis (TX 1005) Duplicate	1	\$80.57	\$80.57
PAH Analysis (EPA Method 8270DM)	3	\$519.34	\$1,558.02
PAH Analysis (EPA Method 8270DM) Duplicate	1	\$519.34	\$519.34
TOTALS	48		\$3,314.32

FIGURES

Figure 1. Sanborn Softball Fields - Site Vicinity



Figure 2. Outdoor Firing Range 1969

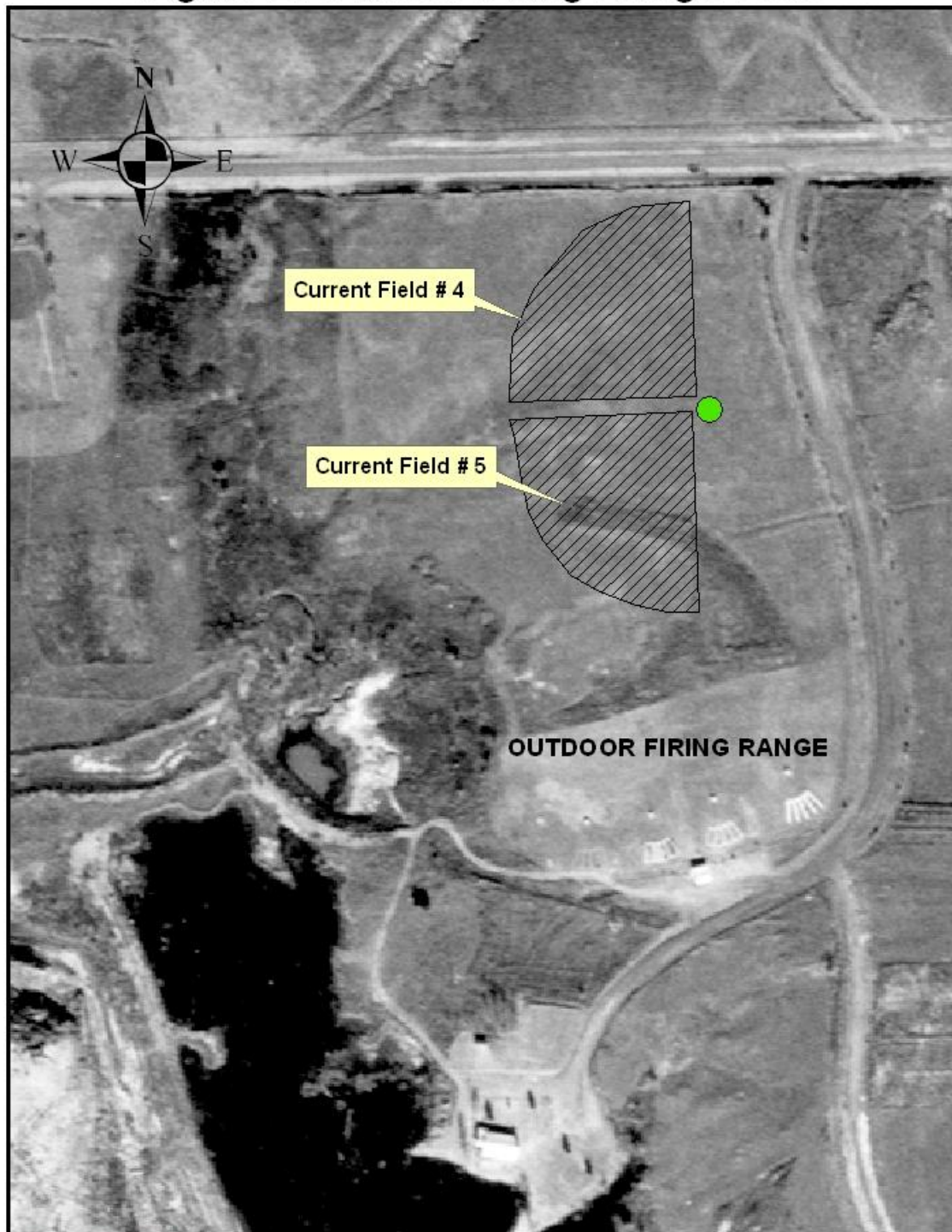


Figure 3. Lead Shot Range

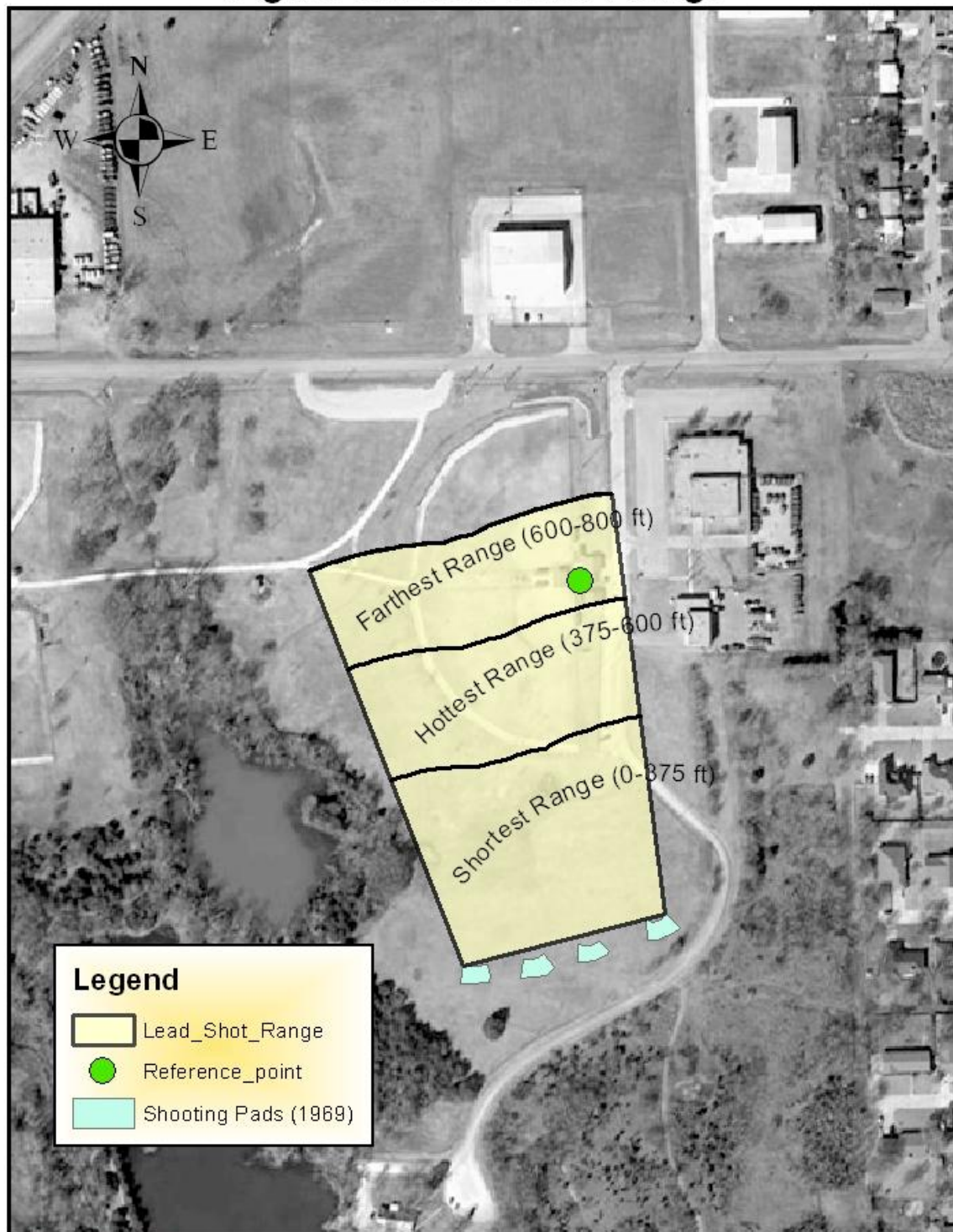


Figure 4. Sanborn Softball Fields 2012

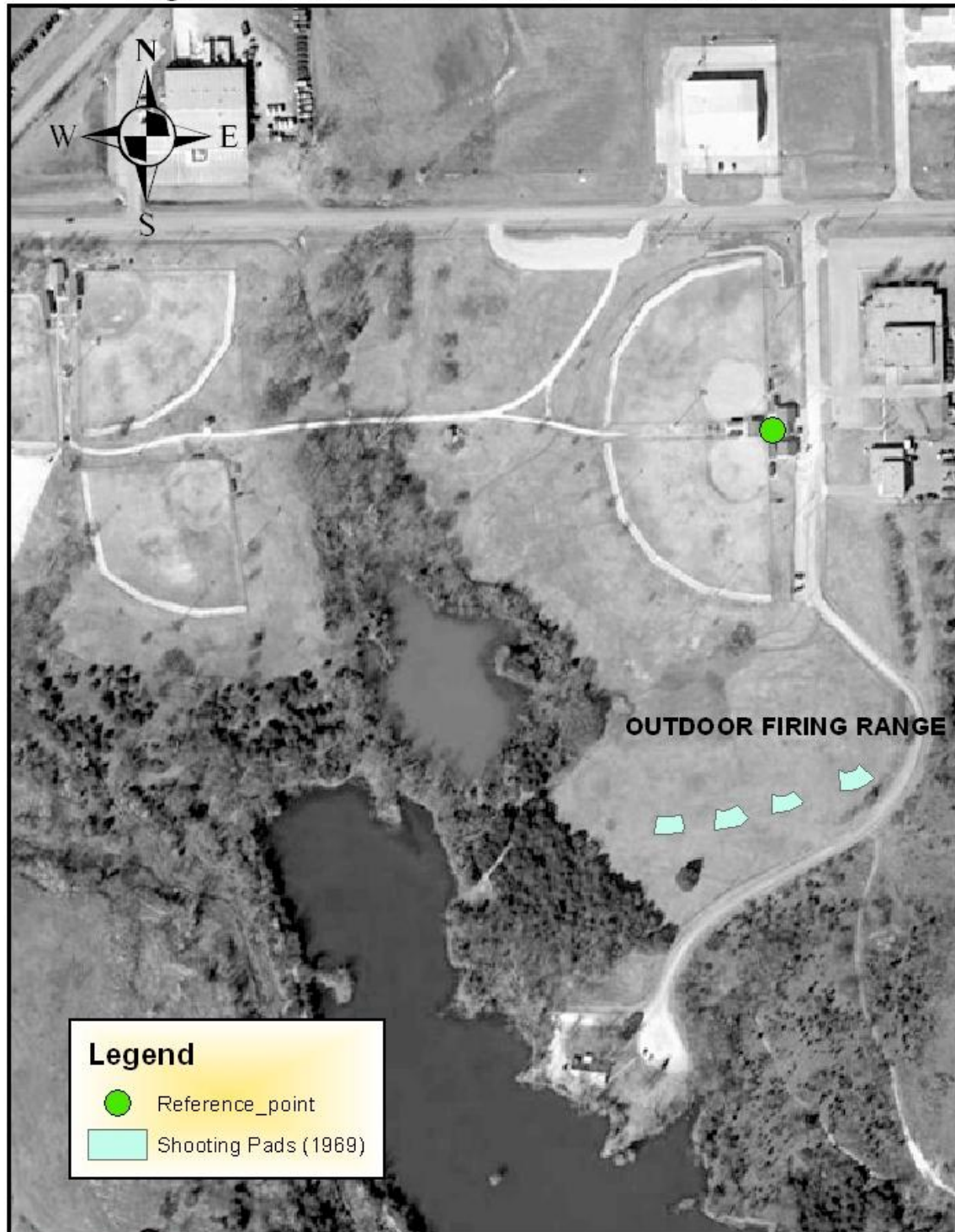
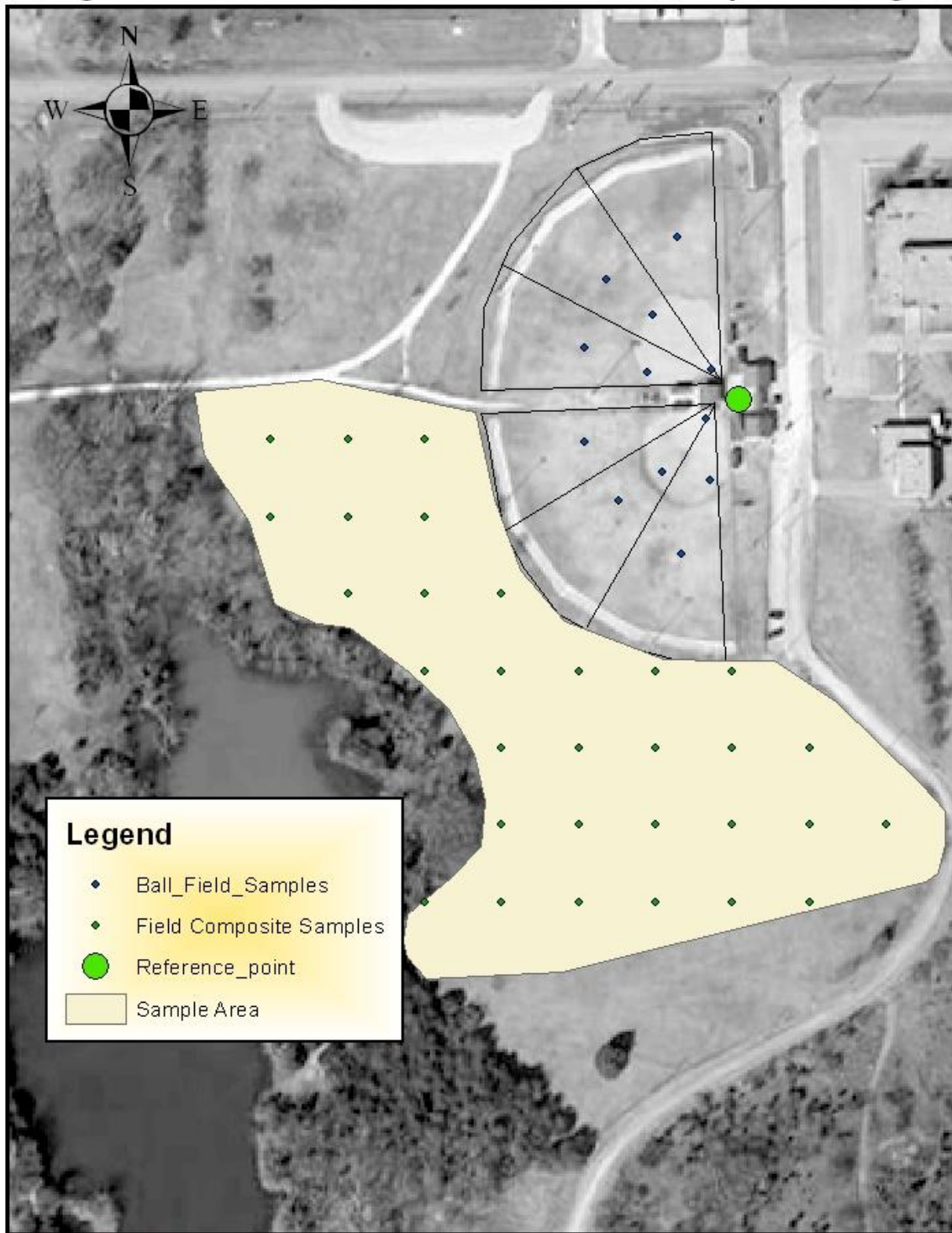


Figure 5. Area of Concern and Sample Design



APPENDIX B

**HEALTH AND SAFETY PLAN
FOR
SANBORN SOFTBALL FIELDS
IN
PAYNE COUNTY, OKLAHOMA**

A. General Information

Site Name: Sanborn Softball Fields

Location: Sanborn Lake Park & Sports Complex (Sanborn Fields) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075 (NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East). The site reference point is latitude 36°09'30.03"N, longitude 97°04'33.75"W.

Objective: The Health and Safety Plan is intended to establish requirements and procedures to be followed during the sampling event to protect the health and safety of investigative personnel and the nearby public.

Project Objective: The purpose of the study is to evaluate the potential human health risk caused by lead, TPH, and PAH from activities at the defunct outdoor firing range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH.

Proposed Date of Sampling Activities: May 2013

Background Review: Complete:____ Preliminary: X

Overall Hazard: Serious:____ Moderate:____

Low: X Unknown:____

B. Waste Characteristics

Waste Type(s): Liquid____ Solid X Sludge____ Gas____

Characteristic(s):

Corrosive____ Ignitable____ Radioactive____

Volatile____ Toxic__X__ Reactive____ Unknown____

Site Description: Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s. The site is currently used for adult softball fields with participants typically in the 16-50 year old range. The western fields were constructed in the middle 70's and the two eastern fields have been in operation since April of 1980. Children will be on site if accompanying adults to softball games or during occasional events held in the open fields surrounding the ball fields.

The entire complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond (Figure 1). It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. The area of concern is the eastern half of the complex which includes fields #4 and #5 (Figure 4). There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of Field #4 and #5.

C. Hazard Evaluation

The primary hazards anticipated with field activities are lead exposure and hazards not associated with the on-site wastes. Non-lead exposure hazards include heat stress, physical and mechanical hazards, and severe weather.

Heat stress: All field members will be monitored for heat stress and fatigue by the site health and safety officer. Appropriate clothing for weather conditions will be determined by health and safety officer. The exact work periods will be determined, if needed due to weather conditions, by the health and safety officer.

Physical and mechanical hazards: Prior to entry, field members will be briefed on the physical and mechanical hazards known to exist on site and will work in teams of two, at a minimum. Possible physical and mechanical hazards are buried service lines, steep gradients, trenches, holes, ditches, slippery surfaces, sharp objects, such as nails, metal shards, and broken glass, and bullet fragments. Snakes, insects, and other various animals are also of concern during all field activities.

Severe weather: Severe thunderstorms are the type of severe weather that can be anticipated. Weather forecasts will be monitored beginning four days before field activities are planned to occur and during on-site activities.

D. Site Safety Work Plan

Perimeter Establishment: Map/sketch attached: yes Site secured: yes

Zone(s) of Contamination Identified: yes

Personal Protection:

Level of Protection: A ____ B____ C____ D X

Level D equipment that will be required include safety glasses, disposable latex gloves, and steel-toed boots. The health and safety officer will make the determination whether the use of respirators is necessary.

The following are not allowed in areas of contamination: smoking, eating, drinking, chewing of gum and tobacco, or horseplay. Fluid replenishment will be allowed, but only at the site command center. Individual sampling team personnel, while in the work zone, must remain within eyesight of their "buddy". All personnel entering the work zone are required to have the OSHA 40-Hour Hazardous Waste Operations (HAZWOPER) training and medical baseline monitoring.

Decontamination Procedures: Decontamination of personal protective equipment (PPE) in the field will be performed to the extent practical. If appropriate, a decon area will be established near the command post for the decontamination of personal protective equipment (PPE) and sampling equipment. While in the decon area, disposable PPE and disposable sampling tools will be collected, double bagged, and stored for final disposal at DEQ facilities in Oklahoma City. While in the decon area, exposed skin will be washed with soap and water. In an emergency, the primary concern is to prevent the loss of life or severe injury to site personnel. If immediate medical treatment is required to save a life, decontamination will be delayed until the victim is stabilized.

Special Equipment, Facilities, or Procedures: None are anticipated, but if field conditions warrant, any modifications made in the field will be recorded in the site logbook.

Site Control: Access to the site is not restricted. Nonetheless, DEQ field team members will continually monitor for unauthorized persons entering the site during sampling activities. Trespassers will be confronted and asked to leave the site. Local police will be notified if the unauthorized persons are uncooperative. The property owners will be permitted to view all sampling activities from a safe distance.

Work Limitations: Limitations of site activity are: (1) length of day - sampling will take place only during daylight hours; (2) severe weather - samples will not be collected if adverse weather conditions exist; (3) heavy precipitation - samples will not be collected if sample integrity is questioned (rain may affect the sample quality). If heavy precipitation is encountered, the sampling event will be postponed until weather conditions permit.

Investigative-Derived Waste Disposal: Contaminated sample equipment and personal protective equipment will be double bagged and returned to DEQ headquarters in Oklahoma City for proper

decontamination. Disposable PPE and other waste generated during the sampling event will be double bagged and returned to DEQ headquarters for proper disposal.

E. Site Personnel

Team Member	Responsibility
Brian Stanila	Project Manager, Health and Safety Officer
Todd Downham	Sampling Team Member
Jordan Caldwell	Sampling Team Member
Dustin Davidson	Sampling Team Member
Sara Downard	Sampling Team Member
Mike Reid	Sampling Team Member

There will be two copies of this Health and Safety Plan (HSP) present at the Site. The Health and Safety Officer will review the HSP with all sampling team members before sampling activities begin.

F. Emergency Information

Ambulance	911
Fire Department	911
Police	911

Hospital: 1323 W. 6th Ave., Stillwater, OK (405) 372-1480

See Figure 1 for map and route to hospital.

From Site:

Head East on Airport Rd to Wright Drive. Turn right on N3330 Rd/Washington Street. Continue onto N. Boomer Road and then onto N. Main Street. Turn right (west) onto 6th Street and travel 1.0 mile. The hospital is on south side of road.

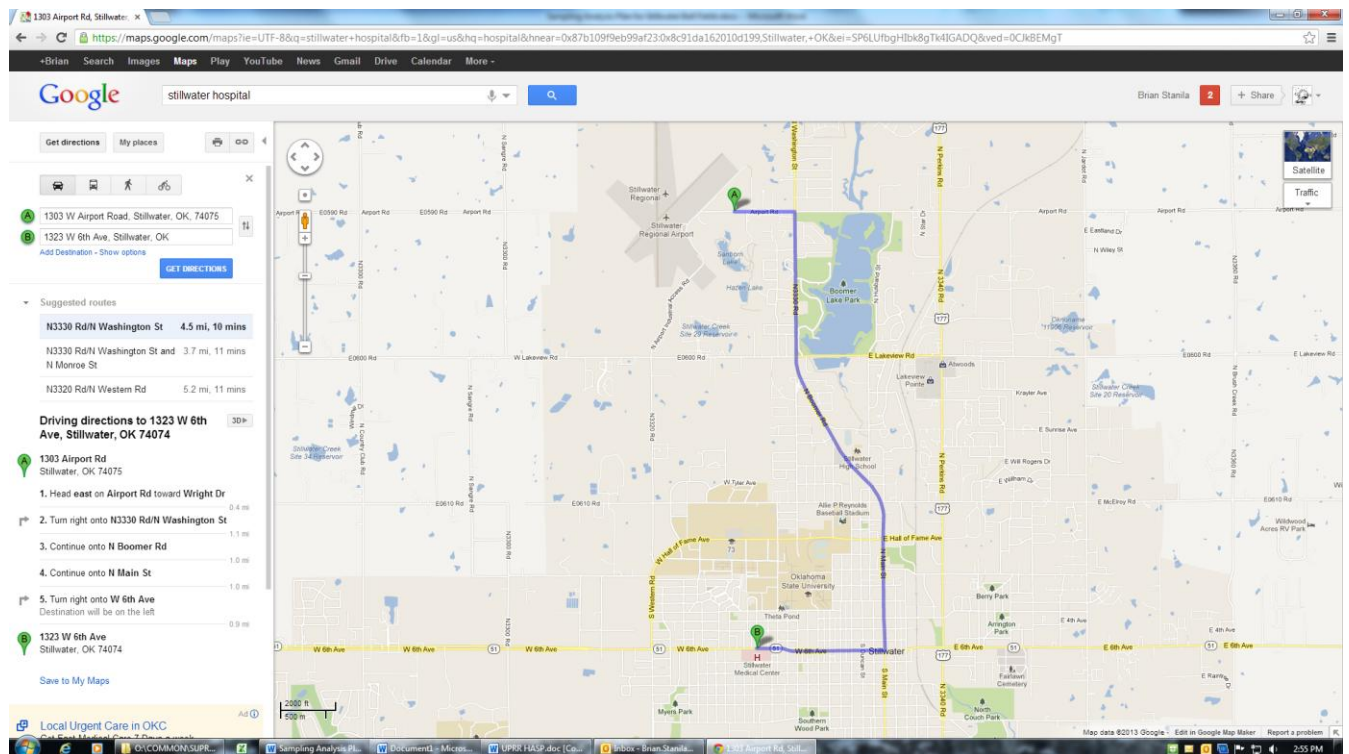
OK Poison Control	1-800-522-4611
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All injuries or illness will be immediately reported to the project manager and/or the health and safety officer. These conditions will then be recorded into the site's logbook. A cellular phone will be on-site, at the command post. A first aid kit will be located at the command center, enabling temporary first aid to be administered until necessary medical treatment can be obtained.

Chain of command in case of emergency:

Steve Thompson - DEQ Executive Director
^
Scott Thompson – Land Protection Division Director
^
Rita Kottke – Environmental Programs Manager
^
Angela Hughes - Environmental Programs Manager
^
Brian Stanila – Environmental Programs Specialist

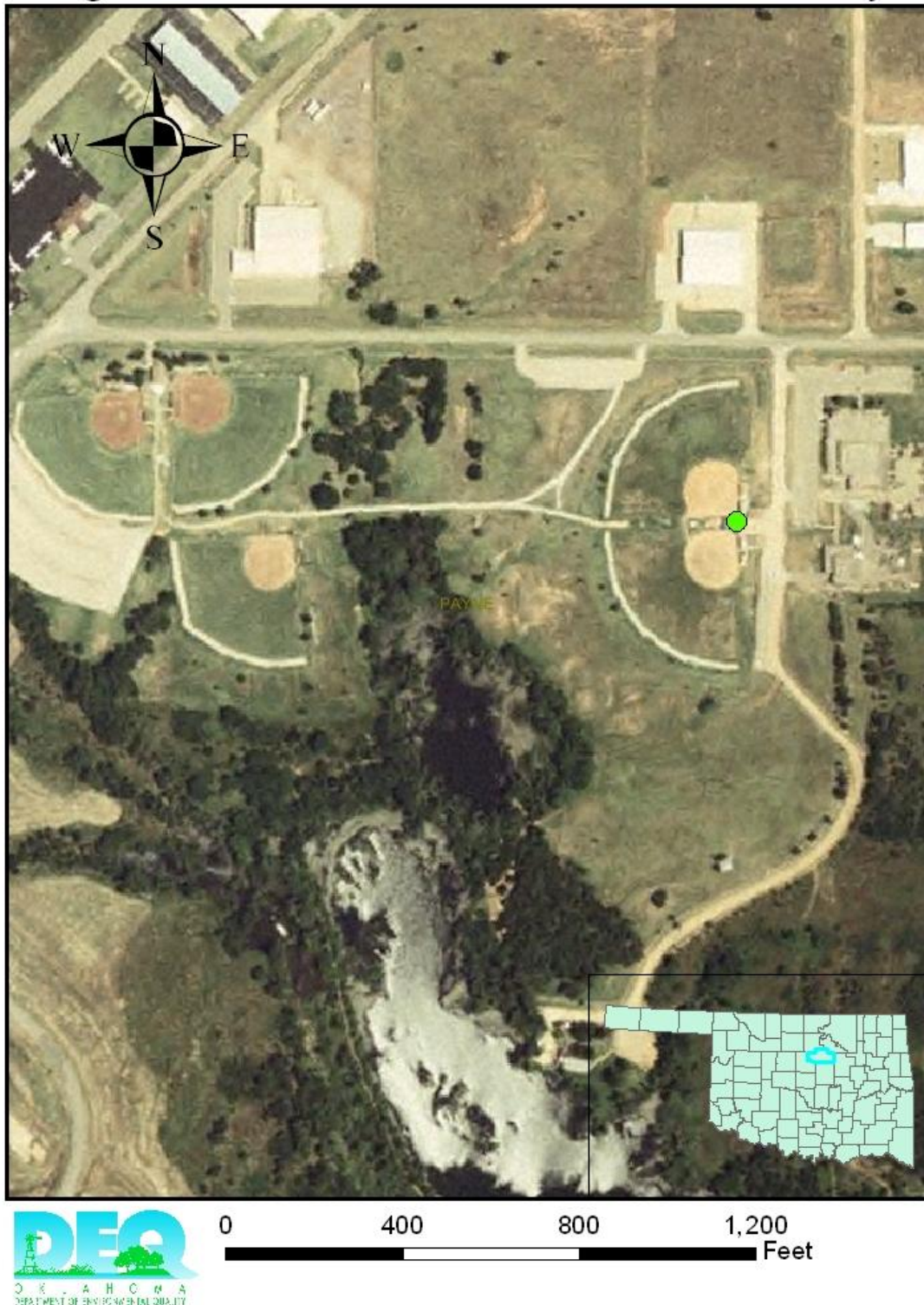
Figure 1: Route to Hospital



- Head East on Airport Rd to Wright Dr.
- Turn right on N3330 Rd/Washington St
- Continue onto N Boomer Rd
- Continue onto N Main St
- Turn right (west) onto 6th st
- Travel 1.0 mile, Hospital should be on south side of road

Figure 2. Site Map

Figure 1. Sanborn Softball Fields - Site Vicinity



APPENDIX C

Stillwater Bull fields 5/14/2013

NW 1/4 of NE 1/4 of Sec 3 T19N R2E

Barbara Bliss ⁽⁴⁶⁵⁾ 533-3509

The Visit - Stillwater Bull fields

Brian Sparks X parked near barnhouse

Jordan Caldwell X walked property N

arrive @ site around 12:10

some scattered concrete in
general area of where shooting pads
once were

South of fields - small runoff stream
leads to small grove of willows

- approx 450 sq ft of dead area
(1 patch) - ~~located near 1st~~
small pieces of black rubber/plastic
material in the dead areas
- assumed to be clay pigeons, some
sides ~~were~~ were painted
- 290 sq ft of dead area (patch)
w/ small black pieces

both patches of dead area (^{little} ~~the~~ grass)
are near the 375-400 ft line
south of field #5
middle of the large area of concern

- another small patch of dead area (^{little} ~~the~~ grass)
50 sq ft - small black pieces present

- North of other dead areas

- found what looks to be weathered
lead

after walking North from the beachhouse
area, we found several patches of
dirt a little more grass growth to which
I have referred to as "dead areas".

These varied in size and all had

small weathered pieces of black plastic.

We are assuming these black pieces

are remains of old pigeons shot in the
trap range. these dead areas

coincided w/ what was determined

to be the hottest zone of contamination
(see SARFex exploration of new hottest zone

was identified)

- Ball fields had no visible signs of
contamination. Dead areas were

observed in the field behind the ball fields.

5/28/2013 - Sanborn Fields

arrive @ site @ 10:30 am

Dustin Davidson

Brown Stanila, wind coming out of
overcast, approx 77-80° South 15-20 mph

Began to flag site @ 11:00 am

Finished flagging @ 12:30 (1230)
28 samples
+ 3 dupes

Hot spot sampling

• BGS

• Sampling for TPH & PAH in locations
w/ visible shooting clay pieces and
limited vegetative growth

• collecting 9 grab samples

Hot spot (HS)

HS-1 - Northern most location

Sample collected @ 1245

collector BGS

GPS point collected

Grab sample

①

GPS Points while flagging

R052811A used GPS #80

GPS points 1 although 10 collected

GPS quit working. unable to acquire satellites

unable to gps the rest of flags

HS GRS

HS-1 collected approx 1245

HS-2-43 collected approx 1:00

②

Hot Spot Sampling Continued

HS-2 - 250 ft from ball field fence

Grab sample 25 ft from small wetland area

Sample collected @ 1:00 (1300)
collected by DD

HS-3 duplicate of HS-2
dye collected @ 1300

Grab sample GRS point collected

HS-4 - no distinguishing land mark, about 200 ft
SE of wetland area

Sample collected @ 1:10 (1310)

Grab sample collected by DD

GRS point collected

(3)

Pictures

PIC 1 HS-1

PIC 2 - facing south, shooting flagged
bees

PIC 3 - HS-2 43

PIC 4 - facing North, flagged field

" 5 - facing west, wetland

" 6 - facing SE, flagged field

" 7 - HS-4

8 - East site facing South

9 - South Ball field facing West

10-11 - South Ball field facing West

12 - South Ball field facing South

13 - North Ball field facing North

14 - North Ball field facing West

15 - North Ball field facing North

16 - Ball field Entrance facing West

17-19 Ditch area facing East

20-21 West site facing West

Drummond
5/25/2013

Stillwater Baseball Field

Date: 5/29/13

Samplers: Sam Davidson / Dustin Dinkler

Weather: Windy / Overcast / 67° / Humid / Soft

Time: 9:52 - arrived

5 Point composite samples for metals
 Samples include field surrounding
 the baseball field

Metals / 5 point composite

Location #1 / SS-1

0-10

10:00

No visual signs of impacts / Silty Clay

Location #2 / SS-2

0-10

10:10

No visual signs of impacts / Silty Clay

Location #3 / SS-3

0-10

10:15

No visual impacts / Silty Clay / Top soil
 0-2" is visually darker than the bottom
 2-4" very red interior

Location #4 / SS-4

0-10

10:25

No visual material / Bone areas in yard /
 Silty Clay

SS-5

0-10

10:30

Bone areas / Visible head shot / Silty
 clay mixed with small gravel

SS-6

0-10

10:40

No visual master / Silty clay

SS-7 (Duplicate)

O-V

10:40

No visual master / Silty clay

SS-9

O-V

10:50

No visual master / Bone areas / Silty clay

SS-20

O-V

11:00

No visual master / Silty clay

SS-12

O-V

11:15

Bone areas / head shot over active grid / Silty clay

SS-16

O-V

11:40

No visual master / Silty clay

SS-11

O-V

11:50

Bone areas / Petatol head shot / Silty clay

SS-13

O-V

12:00

No visual master / Silty clay / Bone areas with gravel and denture bolts and Plastic

SS-14

O-V

12:15

Bone areas / Evidence of both Clay Figures

and head shot

SS-15

O-V

1225

Adjacent to a wetland area / no
visual impacts / sitting dry

SS-16

O-V

1330

Grid is adjacent to drainage area,
and wetland area / no visual material
sitting dry

SS-17

O-V

1340

no visual material / some low areas
Potentially due to drainage from
wetland area.

SS-18

O-V

1345

Wetland area (dry Pigeons) / no
springs / very dense / sitting dry
no low areas

SS-19

O-V

1355

Wetland area in north east corner of
Dongzha / dry Pigeons / no low areas
surface / sitting dry / no low areas

SS-20 (Duplicate)

O-V

1355

Description listed in SS-19 (above)

SS-21

O-V

1400

Wetland area (dry Pigeons / head shot) /

Silt/clay / Bone areas

SS-22

0-10

1415

no bone areas / no visual matter /
silt/clay

SS-23

0-10

1425

no bone areas / no visual matter /
silt/clay

SS-24

0-10

1435

bone areas / visual on surface and
around surface / silt/clay

Spoke w/ two national guardsmen,
who remembered the shooting range
being present. They confirmed that it
was only a trap range and that there
were no beams that were fired into.

Bruce Spake
5/29/2013

GPS Unit

1. Juna SB *Clock OFF

File: R052909 ^{refer time}

date: BF-1

BF-2 } Field 4
BF-3 } Cook

BF-8

BF-4

BF-6, 7, 8, 9, 10, 11, 12, 13, 14

2. #80 GEO XI

File: R052910A

data: BF-9 } Field 4

BF-10 }

BF-11 }

BF-12 } Field 5

Sandborn Ball Fields

5/29/13

Total: 0955A

Cloudy, Fair

Rain Likely

BF-1 (comp)

Team #

Depth: ~3"

Michael Reid
Todd Downham
Brian Stanila

TOC: 1015A

GPS: Yes Read

Descrip.: Right Field (center point)

22 yards & in field

Collector: Downham

BF-2 (comp)

Depth: ~~~2~~ 4

TOC: 1035 A

GPS: Yes Reid

Descrip: Center field ~25 yards
from 2nd Base; due left
5 ft)

Collector: Devinham

BF-3 (comp)

Depth: ~3

TOC: 1045 A

GPS: Yes Reid
No Real-Time Unconnected

Descrip: Mid left field between
2nd & 3rd Base,
~28 yards from infield

Collector: Devinham

BF-9 (gnab)

TOC: 1035A

Descrip. 2nd Base

GPS: Yes Staivla Unconv.

Collector: B. Staivla

BF-10 (gnab)

TOC: 1031A

Descrip: 3rd Base

GPS: Yes Staivla Unconv.

Collector: BPS

Pic #1 Todd/Mike
Sample - BF-2

BF-11 (grab)

TOC: 1040 A

GPS: Taken^(yes) Uncorr.

Descrip. Home Plate

Collector BBS

BF-4 (comp)

Depth: n4

TOC: 1105 A

GPS: Yes Reid

Descrip: ~30 yards back right field
midpoint; between 1st/2nd base

Collector: Downham

BF-5 (comp.)

Depth: ~3.5

TOC: 1130A

GPS: Yes Reid

Descrip.: Center field, midpoint
~27 yards behind 2nd base.

Collector: Durham

BF-6 (comp.)

Depth: 5-6 "

TOC: 1145A

GPS: Yes Reid

Descrip.: Left field midpoint,
~25 yds. back between 2nd &
3rd base

Collector: Durham

BF-12 (gnab)

TOC: 1125A

GPS: Taken Lovers;

Descrip. 2nd base

BF-8 (comp)

TOC: 1210P

GPS: Yes Reid

Descrip: Left (~~2nd~~ East) of
left field

Collector: Durham

BF-7 (comp) * Duplicate of BF-6

Depth: 5-6'

TOC: 1145A

GPS: Yes Reid

Descrip: left field " "

Collector: Durham

BF-13 (gray)

TOC: 1133A

GPS: Yes Unaver

Descrip: 3rd Base

BF-14 (gray)

TOC: 1145A

~~GPS~~ GPS Yes Red

Descrip. houseplate
BF-15 (darker of BF-14)

TOC: 1145A

GPS Yes Red

~~GPS~~ Descrip. houseplate

SS-30 (comp.)

Depth: ~3"
TOC: 1345P

Descrip. 11 ↓ 11

Collector Downham/Reid

SS-31 (comp.) dupes ^{SS-30}

Depth: ~3"

TOC: 1345P

Descrip. SE most S part of
site N of road/light pole

Collector Downham/Reid

SS-28 (comp)
Depth: ~3
TDC: 1418 P

Descrip. Broken "Clay Pig" Observed
~25 NW of road
Collector Todd Downham

SS-27 (comp)
Depth: ~3

TDC: 1428 P
Descrip.: NW of road, & trees (2)
hidden light pits + near trees
Collector: Todd Downham

SS-29 (comp)
Depth: ~3

TDC: 1408 P
Descrip. Broken Clay Observed
55 yds NW of road
Collector: Todd Downham

SS-26 (comp)
Depth: ~3

TDC: 1438 P
Descrip.: "Clay Pig" present ~20 yds W of
road ~20 yds S of ditch
Collector: Downham

SS-25 (comp)

Depth: ~3 TDC: 1448 P
"Clay Pigeons" present
Descrip. ~50 yds E of road, 40 yds E of ditch
Collector: Todd Downham

TECHNICAL MEMORANDUM

DATE: April 18, 2014

TO: Sanborn Softball Fields File

FROM: Brian D. Stanila, Environmental Programs Specialist III

RE: Sanborn Softball Fields Sample Results #2

Background

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Softball Fields in Stillwater, OK once operated as an outdoor firing range. In response, DEQ collected 59 soil samples from Field #4, Field #5, and a large field behind the ball fields. Soil samples were analyzed for total petroleum hydrocarbons, polycyclic aromatic hydrocarbons, and lead. Four (4) samples from Field #5 exceeded EPA residential and industrial screening levels for lead. See Appendix A for description of sampling activities and data results from first sampling event.

DEQ approached City of Stillwater Parks and Recreation Department (Stillwater) about remediating the contaminated soils on Field #5 (Site). Stillwater agreed that remediation of the outfield was necessary and began to collect estimates for conducting the appropriate work. All the estimates received exceeded the budget and it was decided that further delineation of the Site was necessary. This memo documents the results from a second sampling event conducted by the DEQ. The purpose of the second sampling event was to delineate contamination on the Site and evaluate the potential human health risk caused by activities at the Sanborn Softball Fields. The DEQ's objectives are to determine if lead is present above residential screening levels at the Sanborn Fields.

A Site History and other background information are available in Appendix A.

Sampling Activities

On February 19-20, 2014, 48 grab samples were collected from the Site for the purpose of lead analysis. Grab samples consisted of 39 soil samples collected from 0-6" in depth, five (5) soil samples collected from 6-12" in depth, and four (4) duplicate samples. The results of the analysis are present in Table 1. Figure 1 shows sample locations. Please refer to Appendix B for Sampling and Analysis Plan (SAP) and Health and Safety Plan (HASP). Please refer to Appendix C for field sampling notes.

Table 1. Lead in Soil Sample Results

Sample Number	Lead (mg/kg)	Sample Depth (inches)	Notes
SS-1	830	0-6	
SS-2	891	0-6	
SS-3	62400	6-12	
SS-4	1900	0-6	
SS-5	374	0-6	
SS-6	1920	0-6	
SS-7	426	0-6	
SS-8	1240	0-6	
SS-9	1360	0-6	Dupe of 8
SS-10	97.3	0-6	
SS-11	421	0-6	
SS-12	2130	0-6	
SS-13	204	6-12	
SS-14	1400	0-6	
SS-15	1300	0-6	
SS-16	38.9	0-6	
SS-17	386	0-6	
SS-18	1100	0-6	
SS-19	1550	0-6	
SS-20	1340	0-6	Dupe of 19
SS-21	1420	0-6	
SS-22	166	0-6	
SS-23	39.3	0-6	
SS-24	26.9	0-6	
SS-25	287	0-6	
SS-26	1370	0-6	
SS-27	1430	6-12	
SS-28	1680	0-6	
SS-29	1450	0-6	
SS-30	881	0-6	
SS-31	942	0-6	
SS-32	352	0-6	
SS-33	2820	0-6	
SS-34	2710	0-6	Dupe of 33
SS-35	773	0-6	
SS-36	642	0-6	
SS-37	1660	0-6	

Table 1. Lead in Soil Sample Results (continued)

Sample Number	Lead (mg/kg)	Sample Depth (inches)	Notes
SS-38	195	0-6	
SS-39	547	0-6	
SS-40	2520	0-6	
SS-41	2100	6-12	
SS-42	1430	0-6	
SS-43	965	0-6	
SS-44	812	0-6	
SS-45	1120	0-6	Dupe of 44
SS-46	756	0-6	
SS-47	1030	0-6	
SS-48	1180	6-12	

Discussion

The DEQ uses EPA Region 6 screening levels where appropriate. The residential screening level for lead is 400 mg/kg and the industrial screening level for lead is 800 mg/kg.

Thirty-seven (37) samples collected from the Site exceeded residential screening levels. Of those 37, 31 exceeded industrial screening levels.

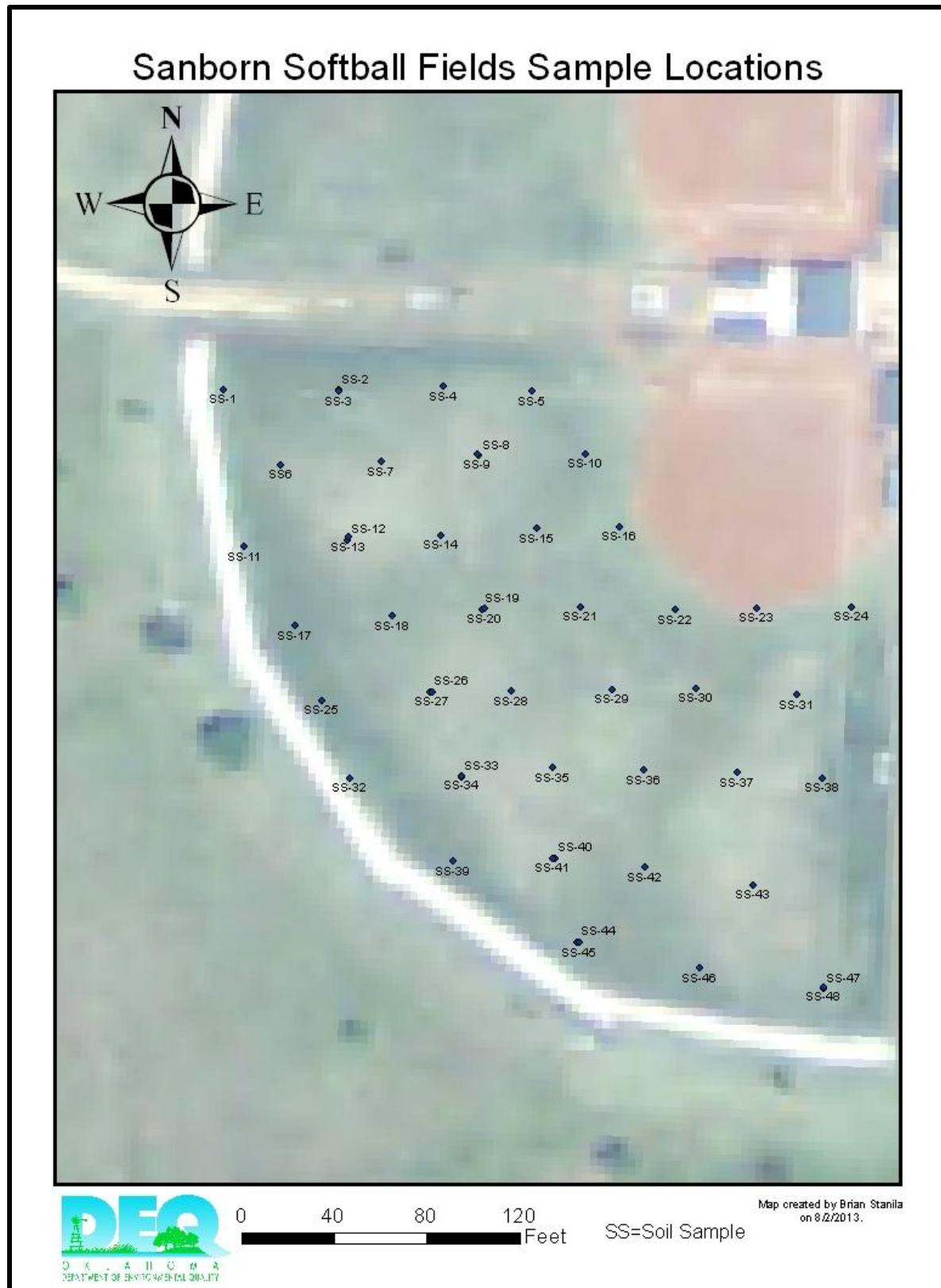
The majority of lead contamination is located in the outfield and lead concentration tends to decrease as the infield is approached. Additionally, lead concentrations tended to be higher the deeper the sample was collected.

The DEQ anticipates working with Stillwater to remediate the soils at the Site.

Budget

DEQ has spent a total of \$6,927.84 identifying and delineating lead contamination at the Site. The DEQ anticipates spending between \$20,000-30,000 to assist Stillwater with soil remediation.

FIGURE 1



APPENDIX A

TECHNICAL MEMORANDUM

DATE: July 31, 2013

TO: Sanborn Softball Fields File

FROM: Brian D. Stanila, Environmental Programs Specialist II

RE: Sanborn Softball Fields Sample Results

Background

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Softball Fields in Stillwater, OK once operated as an outdoor firing range. The complainant stated that there were lead bullets on the ground and that when players slid into bases lead bullet fragments could be seen. The purpose of the study is to evaluate the potential human health risk caused by activities at the outdoor firing range.

Sanborn Lake Park & Sports Complex (Site) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075. The site is located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East and the reference point is latitude 36°09'30.03" N, longitude 97°04'33.75" W. Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s.

The Site consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond. It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the Site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of the Site.

The primary contamination expected to be encountered is widely dispersed, weathered lead pellets from the trap range. Secondary contamination expected to be encountered at the site, could consist of total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) from weathered "clay pigeons". The Site is currently used for adult softball fields with participants typically in the 16-50 year old range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH. Due to its frequency and abundance lead will serve as the driver for the Site, unless analytical data suggest that TPH and PAH provide a greater risk. The DEQ's objectives are to determine if lead is present above residential screening levels at the Sanborn Fields.

Sampling Activities

On May 28, 2013, four grab samples were collected from the Site for the purpose of PAH and TPH analysis. The results of the analysis are present in Table 1. On May 29, 2013, seven grab samples and eight five-composite samples were collected from fields #4 and # 5 for the purpose of lead analysis. Additionally, 40 five-point composite samples were collected from the field behind the ball fields for the purpose of lead analysis. The results of the analysis are present in Table 2 and Table 3. Please refer to Appendix A for Sampling and Analysis Plan (SAP). Please refer to Appendix B for Health and Safety Plan (HASP). Please refer to Appendix C for field sampling notes. Figure 1 shows sample locations.

Results

Table 1. TPH Results

Sample ID	TPH (C Range)	Value (mg/kg)	Date	Time	Sample Type
HS-1	C6-C12	< 10.0	5/28/2013	12:45	grab
HS-1	C12-C28	< 10.0	5/28/2013	12:45	grab
HS-1	C28-C36	< 10.0	5/28/2013	12:45	grab
HS-2	C6-C12	< 10.0	5/28/2013	13:00	grab
HS-2	C12-C28	< 10.0	5/28/2013	13:00	grab
HS-2	C28-C36	34	5/28/2013	13:00	grab
HS-3	C6-C12	< 10.0	5/28/2013	13:00	grab
HS-3	C12-C28	< 10.0	5/28/2013	13:00	grab
HS-3	C28-C36	103	5/28/2013	13:00	grab
HS-4	C6-C12	< 10.0	5/28/2013	13:10	grab
HS-4	C12-C28	< 10.0	5/28/2013	13:10	grab
HS-4	C28-C36	256	5/28/2013	13:10	grab

- HS-3 is duplicate
- Highlighted values exceed TPH screening levels

Table 2. Soil Sample Results

Sample ID	Pb (mg/kg)	Date	Time	Sample Type
SS-1	426	5/29/2013	10:00	composite
SS-2	49	5/29/2013	10:10	composite
SS-3	38	5/29/2013	10:15	composite
SS-4	31	5/29/2013	10:25	composite
SS-5	163	5/29/2013	10:30	composite
SS-6	299	5/29/2013	10:40	composite
SS-7	265	5/29/2013	10:40	composite
SS-8	399	5/29/2013	11:00	composite
SS-9	624	5/29/2013	10:50	composite
SS-10	361	5/29/2013	11:15	composite
SS-11	1060	5/29/2013	11:50	composite
SS-12	901	5/29/2013	11:40	composite
SS-13	343	5/29/2013	12:00	composite
SS-14	119	5/29/2013	12:15	composite
SS-15	90	5/29/2013	12:25	composite
SS-16	59	5/29/2013	13:30	composite
SS-17	113	5/29/2013	13:40	composite
SS-18	188	5/29/2013	13:45	composite
SS-19	150	5/29/2013	13:55	composite
SS-20	109	5/29/2013	13:55	composite
SS-21	84	5/29/2013	14:00	composite
SS-22	71	5/29/2013	14:15	composite
SS-23	58	5/29/2013	14:25	composite
SS-24	102	5/29/2013	14:35	composite
SS-25	128	5/29/2013	14:40	composite
SS-26	46	5/29/2013	14:30	composite
SS-27	41	5/29/2013	14:20	composite
SS-28	44	5/29/2013	14:10	composite
SS-29	105	5/29/2013	14:00	composite
SS-30	44	5/29/2013	13:45	composite
SS-31	46	5/29/2013	13:45	composite

- SS-7, SS-20, SS-31 are duplicate samples
- Values highlighted yellow exceed residential screening levels for lead
- Values highlighted red exceed industrial screening levels for lead

Table 3. Ball Field Sample Results

Sample ID	Pb (mg/kg)	Date	Time	Sample Type
BF-1	332	5/29/2013	10:15	composite
BF-2	325	5/29/2013	10:35	composite
BF-3	140	5/29/2013	10:45	composite
BF-4	519	5/29/2013	11:05	composite
BF-5	814	5/29/2013	11:30	composite
BF-6	1530	5/29/2013	11:45	composite
BF-7	2340	5/29/2013	11:45	composite
BF-8	42	5/29/2013	12:10	composite
BF-9	18	5/29/2013	10:25	grab
BF-10	18	5/29/2013	10:31	grab
BF-11	21	5/29/2013	10:40	grab
BF-12	33	5/29/2013	11:25	grab
BF-13	57	5/29/2013	11:33	grab
BF-14	65	5/29/2013	11:45	grab
BF-15	61	5/29/2013	11:45	grab

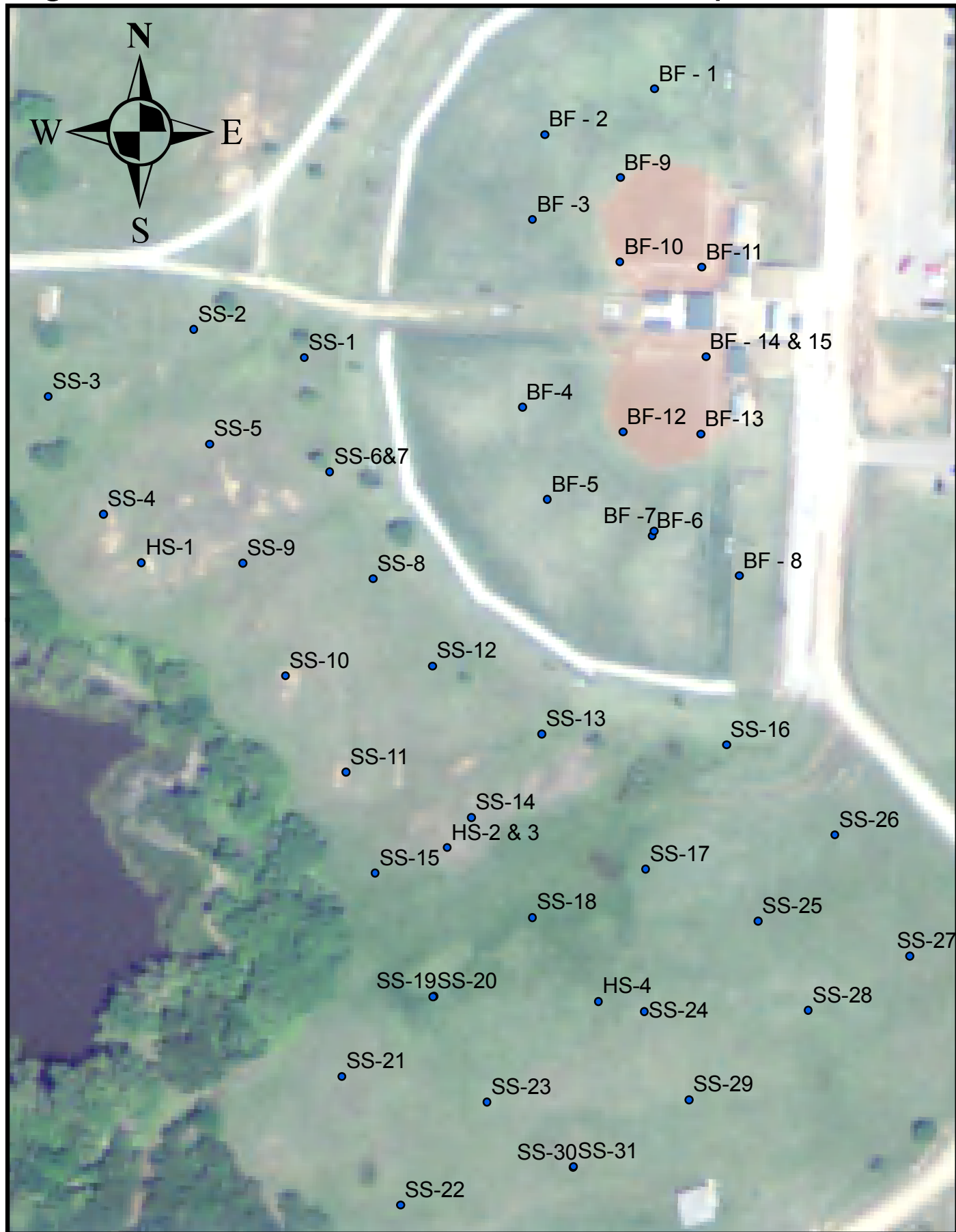
- BF-7 and BF-15 are duplicate samples
- Values highlighted yellow exceed residential screening levels for lead
- Values highlighted red exceed industrial screening levels for lead

Discussion

The DEQ uses EPA Region 6 screening levels where appropriate. The residential screening level for lead is 400 mg/kg and the industrial screening level for lead is 800 mg/kg. Screening level for TPH as per the DEQ fact sheet is 50 mg/kg.

Two samples collected exceeded TPH screening levels. Eight samples collected from the site exceeded residential screening levels. Of those eight, five exceeded industrial screening levels.

Figure 1. Sanborn Softball Fields Sample Locations



APPENDIX A

Sampling Analysis Plan for Sanborn Lake Park & Sports Complex

1. INTRODUCTION

1.1. *Site History*

Sanborn Lake Park & Sports Complex (Sanborn Fields or Site) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075 (Figure 1). The site is located in the NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East and the reference point is latitude 36°09'30.03" N, longitude 97°04'33.75" W. Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s (Figure 2). Trap shooting is a type of competitive "clay pigeon" shooting utilizing shotguns. Participants stand in one of several shooting positions and the clay pigeons are launched into the air away from the shooter. The loads typically utilized are #7½-#8½ shot, containing either 7/8, 1, or 1 1/8 ounces of lead pellets. The primary contamination expected to be encountered is widely dispersed, weathered lead pellets from the trap range (Figure 3). Secondary contamination expected to be encountered at the site, should consist of total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) from weather "clay pigeons".

1.2. *Purpose of Study*

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Fields once operated as an outdoor firing range. The complainant stated that there were lead bullets on the ground and that when players slid into bases lead bullet fragments could be seen. The purpose of the study is to evaluate the potential human health risk caused by activities at the outdoor firing range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH. Due to its frequency and abundance lead will serve as the driver for the Site, unless analytical data suggest that TPH and PAH provide a greater risk. The DEQ's data quality objectives are to determine if lead is present above residential screening levels at the Sanborn Fields.

2. SITE DESCRIPTION

The Site is currently used for adult softball fields with participants typically in the 16-50 year old range. The western fields were constructed in the middle 70's and the two eastern fields have been in operation since April of 1980. Children will be on site if accompanying adults to softball games or during occasional events held in the open fields surrounding the ball fields.

The entire complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond (Figure 1). It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. The area of concern is the eastern half of the complex which includes fields #4 and #5 (Figure 4). There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with

the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the Site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of Field #4 and #5.

3. SAMPLING ACTIVITIES

3.1. Targets

DEQ anticipates human health targets will include athletes playing on Sanborn Fields and children playing around Sanborn Fields. The exposure pathway for primary contaminants at the site, include ingestion and inhalation. Exposure may come from strong winds blowing lead contaminated dust in the air or from incidental ingestion from softball related activities. The exposure pathway for secondary contamination at the site, includes ingestion and dermal contact. Exposure may come through children or adults picking up pieces of weather “clay pigeons” and accidental or intentional ingestion of “clay pigeon” pieces.

3.2. Contaminants of Concern

The contaminants of concern (COC) at the site include lead, TPH, and PAH. Lead should be widely dispersed across the site. The shot fall zone should extend to a maximum distance of 800 feet beyond the shooting pads. However, the highest concentrations of lead are expected to be found between 375-600 feet beyond the shooting pads.

Based on guidance documents and similar sites evaluated by the DEQ, TPH and PAH are considered COC. Both TPH and PAH may have been used in constructing “clay pigeons” and both have been documented at other outdoor firing range sites. A Site recon confirms that the remnants of “clay pigeons” are present at the Site, however, they appear to be concentrated within the 375-600 foot “hot-zone” and are aggregated in small patches across the site.

3.3. Field Procedures

3.3.1. Sample design

The DEQ will utilize a grid sample technique to sample the field behind the fenced Sanborn Softball Fields. The field behind the Sanborn Softball Fields will be sectioned into 100 x 100 foot grids and one five-point composite sample will be collected from each grid. The five collection points will come from the center and each corner of the 100 x 100 grid. A GPS point will be collected from the center aliquot in each grid (Figure 5). Additionally, grab samples will be collected from several areas where visible “clay pigeons” are present. These samples will be analyzed for TPH and PAH.

The Sanborn Softball Fields proper will be sampled by sectioning the ball fields into thirds and then collecting one five-point composite sample from each section. Aliquots will be collected from the infield, outfield, and baseline of each section. A GPS point will be collected at the center aliquot of each section (Figure 5). Additionally, DEQ will collect one grab sample from 2nd base, 3rd base, and home plate, where the likelihood of sliding and thus exposure increases. A

GPS point will be collected for each grab sample collected (Figure 5). This sample design is being employed so that grids do not overlap on fields #4, #5, and the area behind the fields. Also, this design allows each softball field and area behind the softball fields to be analyzed separately.

3.3.2. Sample collection

DEQ estimates 30 composite samples and six grab samples will be collected for lead analysis. As per DEQ's Quality Management Plan, a duplicate sample will be collected at the rate of one per every 10 samples. DEQ anticipates collecting four duplicate lead samples. Additionally, DEQ estimates that three TPH and PAH soil samples and one duplicate sample will be collected.

Samples will be collected with dedicated stainless steel spoons and homogenized in 13" x 18" 6 mil poly zip-lock bags. Samples will be collected from 0-6" depth. Each spoon will be dedicated to its sample and bags will not be re-used, thus there is no need for decontamination in the field or between samples. Used spoons will be placed in used collection bags and stored in a large garbage bag until the sample team returns to DEQ. Upon returning to DEQ, used bags will be disposed of appropriately and used spoons will be decontaminated using DI water and liquinox.

One person from each sample team will be responsible for documenting the sample collection process in the field log book. Items to be recorded include but are not limited to; site name, description of field task, date and time field work begins, weather conditions, sample team members, time of sample collection, sample number, sample location, sample media, and physical properties or descriptions of media.

3.3.3. Sample collection equipment

- Flags
- Stainless Steel Spoons
- 13" x 18" 6 mil poly zip-lock bags
- Trowels
- 4 oz collection jars
- Coolers with ice
- Global Positioning System (GPS)
- Range Finder
- Nitrile Gloves
- Camera
- Chain of custody forms
- Sample log in sheets
- Sample labels
- Field log books
- Garbage Bags

3.3.4. Sample handling and QA/QC

After collection, each sample will be placed in the appropriate sample container. Each sample container will be labeled onsite with indelible ink as to sample date, sample time, and sample ID. The sample team is responsible for labeling each sample container. To avoid cross contamination, all samplers will don nitrile gloves during sample collection process. Nitrile gloves will only be used for once. Spent gloves will be placed in a large garbage bag and disposed of appropriately upon returning to DEQ. Under no circumstances will any set of gloves be used more than once.

3.4. Lab Methods

3.4.1. Sample Analysis

For sample analysis DEQ will utilize the State Environmental Laboratory (SEL). EPA Method 6010 will be used to analyze composite and grab soil samples for total lead concentration. EPA Method 8270DM will be used to analyze grab samples for PAH and TX 1005 Method will be used to analyze grab samples for TPH.

3.4.2. Sample Receipt

Incoming samples will also be accounted for via chain-of-custody (COC) forms. Sample collectors will have the responsibility for properly completing this form. When samples are received, Sample Receiving personnel will check for accuracy and completeness, accept custody, and file COCs with other sample login paperwork in file cabinets located in Sample Receiving. The Project Manager will be given duplicate copies of login forms for separate storage with other records related to this project. The Project Manager will act as sample custodian and will ensure that all samples are relinquished and received by Sample Receiving. If samples are delivered after operating business hours, sample custodian will follow appropriate Sample Receiving protocols and will lock samples in Sample Receiving. The sample number and parameters shall be logged into a computer for tracking. Sample custody shall be maintained in the sample receiving area until disbursement for analysis. All samples will be stored in the laboratory area until all analyses have been performed and results verified.

4. DATA MANAGEMENT AND ANALYSIS

4.1. Data Management

All sample results, field notes, and relevant information will be returned to the Project Manager. Sample custody prior to sample login and pickup by the appropriate section is the responsibility of Sample Receiving, as is the responsibility for assignment of sample number and distribution and storage of Laboratory Final Reports.

4.2. Data analysis

DEQ will evaluate the data to determine if results are consistent with shot fall zone and recognized hot spots. DEQ will also review the data to determine if any contaminants at the Site exceed human health screening levels.

5. PROJECT MANAGEMENT

Brian D. Stanila
Environmental Programs Specialist
Land Protection Division
Brian.Stanila@deq.ok.gov
(405) 702-5138

6. ESTIMATE OF COST

Item	Number (n)	Cost of Method (ea)	Total Cost
Total Lead Analysis (Method 6010) – Soil Samples	36	\$22.87	\$823.32
Total Lead Analysis (Method 6010) - Duplicates	4	\$22.87	\$91.36
TPH Analysis (TX 1005)	3	\$80.57	\$241.71
TPH Analysis (TX 1005) Duplicate	1	\$80.57	\$80.57
PAH Analysis (EPA Method 8270DM)	3	\$519.34	\$1,558.02
PAH Analysis (EPA Method 8270DM) Duplicate	1	\$519.34	\$519.34
TOTALS	48		\$3,314.32

FIGURES

Figure 1. Sanborn Softball Fields - Site Vicinity



Figure 2. Outdoor Firing Range 1969

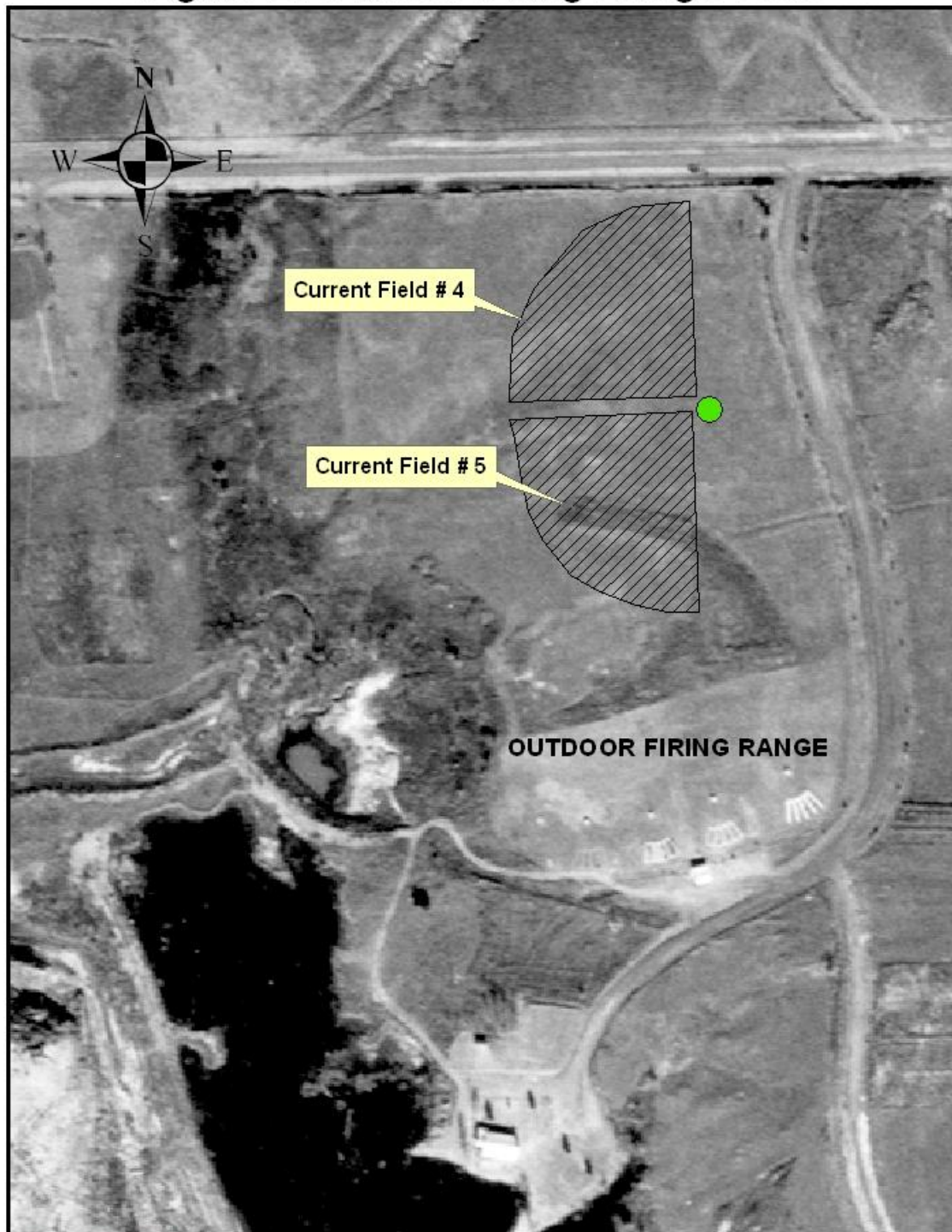


Figure 3. Lead Shot Range

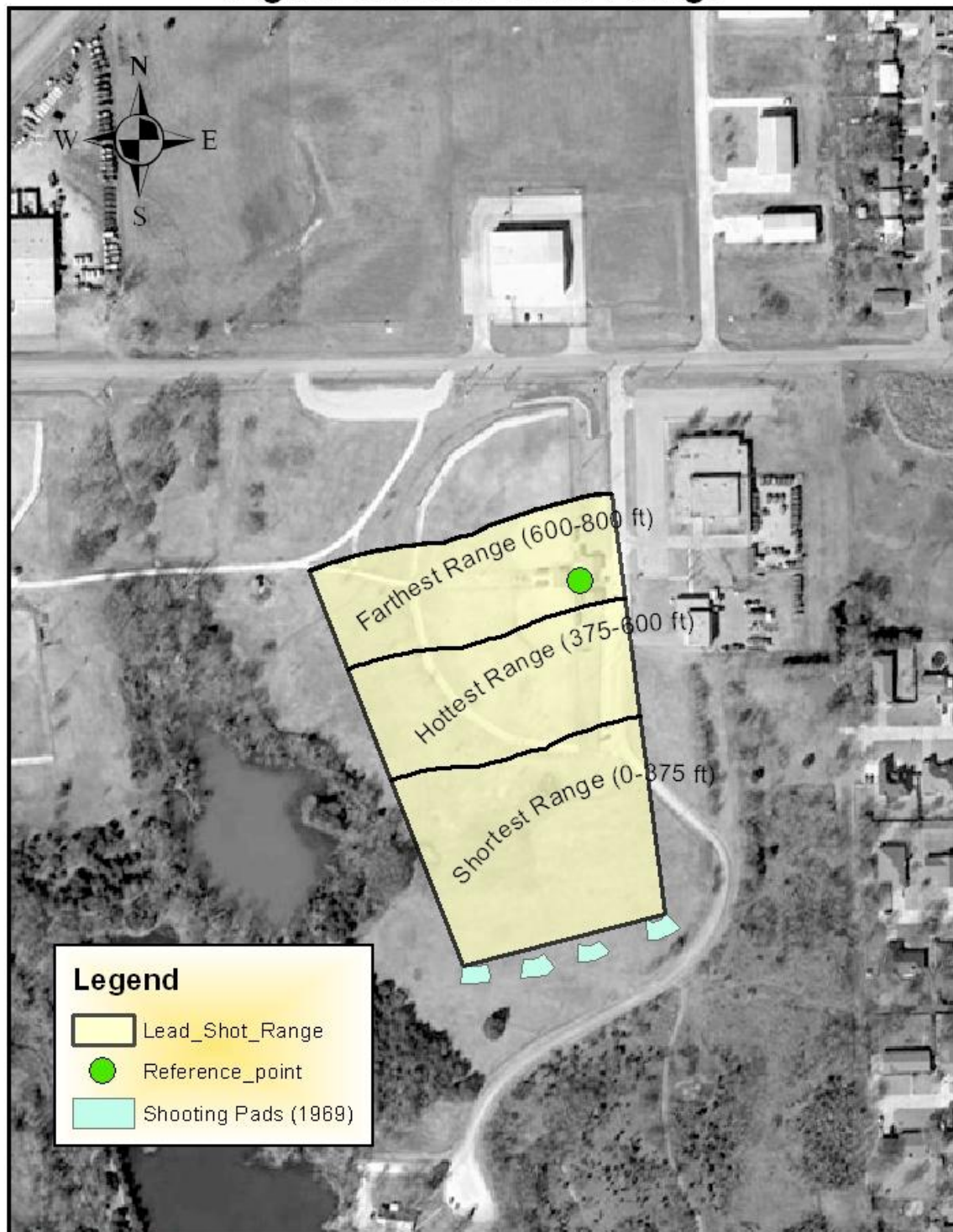


Figure 4. Sanborn Softball Fields 2012

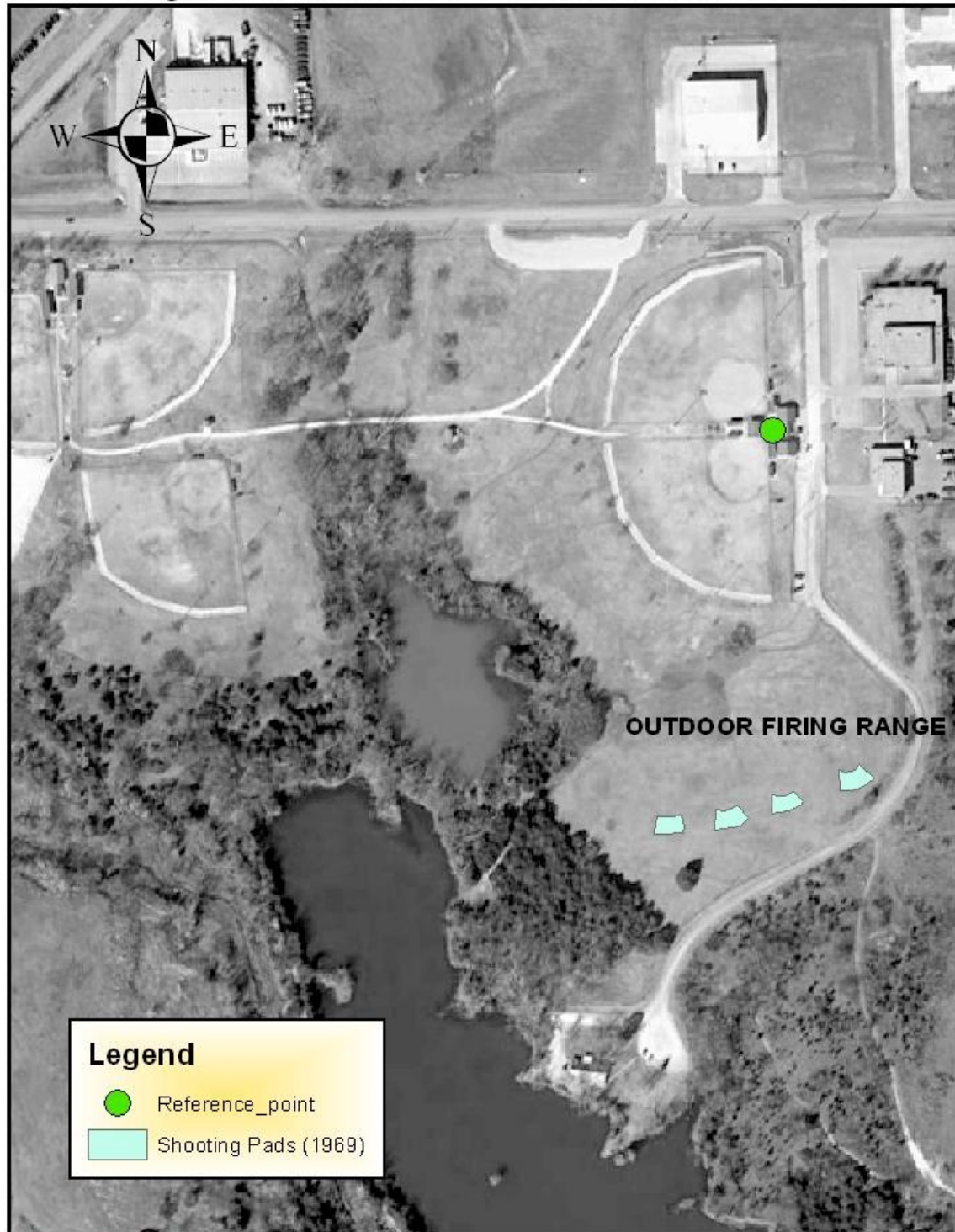
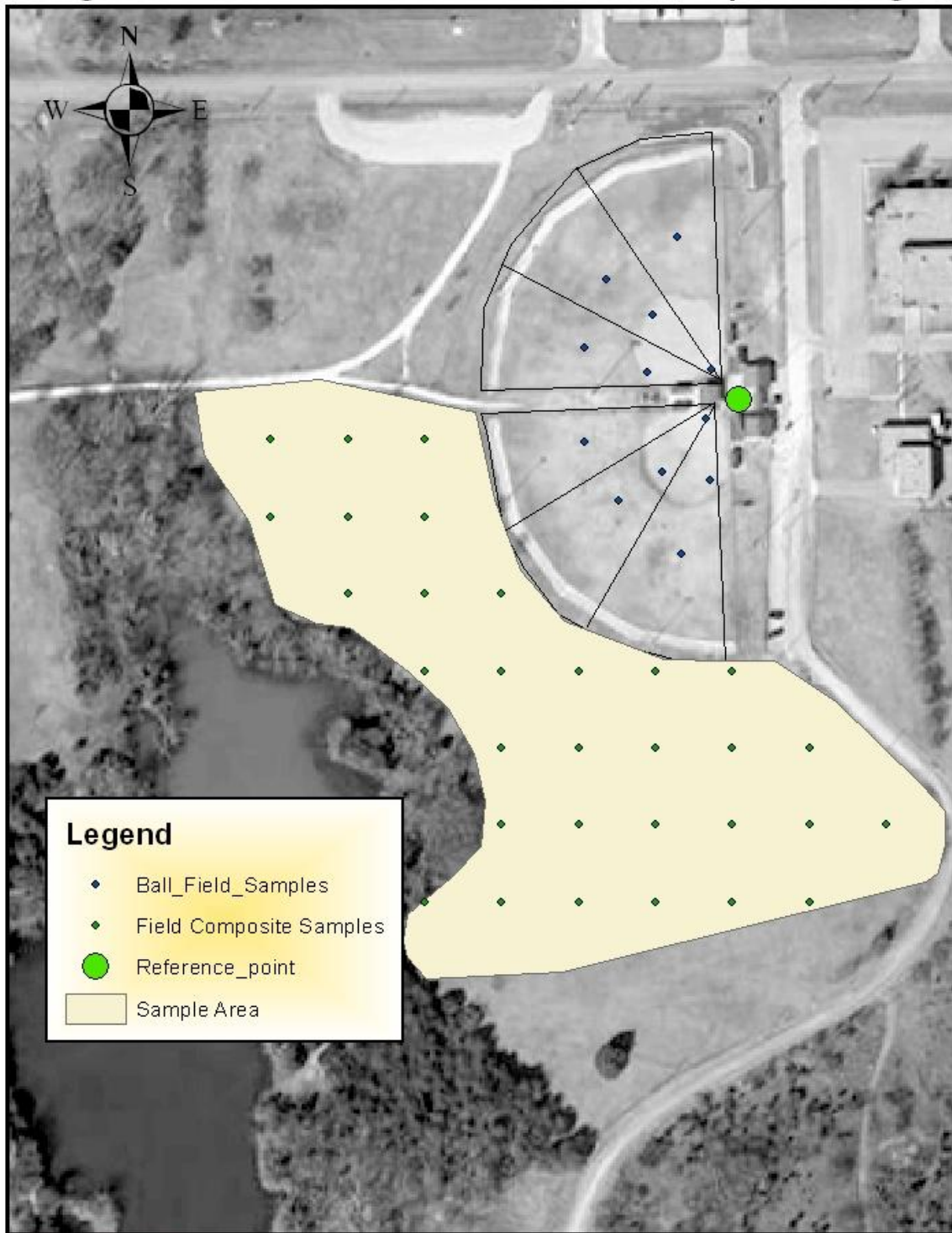


Figure 5. Area of Concern and Sample Design



APPENDIX B

**HEALTH AND SAFETY PLAN
FOR
SANBORN SOFTBALL FIELDS
IN
PAYNE COUNTY, OKLAHOMA**

A. General Information

Site Name: Sanborn Softball Fields

Location: Sanborn Lake Park & Sports Complex (Sanborn Fields) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075 (NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East). The site reference point is latitude 36°09'30.03"N, longitude 97°04'33.75"W.

Objective: The Health and Safety Plan is intended to establish requirements and procedures to be followed during the sampling event to protect the health and safety of investigative personnel and the nearby public.

Project Objective: The purpose of the study is to evaluate the potential human health risk caused by lead, TPH, and PAH from activities at the defunct outdoor firing range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead, TPH, and PAH.

Proposed Date of Sampling Activities: May 2013

Background Review: Complete:____ Preliminary: X

Overall Hazard: Serious:____ Moderate:____

Low: X Unknown:____

B. Waste Characteristics

Waste Type(s): Liquid____ Solid X Sludge____ Gas____

Characteristic(s):

Corrosive____ Ignitable____ Radioactive____

Volatile____ Toxic__X__ Reactive____ Unknown____

Site Description: Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s. The site is currently used for adult softball fields with participants typically in the 16-50 year old range. The western fields were constructed in the middle 70's and the two eastern fields have been in operation since April of 1980. Children will be on site if accompanying adults to softball games or during occasional events held in the open fields surrounding the ball fields.

The entire complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond (Figure 1). It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. The area of concern is the eastern half of the complex which includes fields #4 and #5 (Figure 4). There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of Field #4 and #5.

C. Hazard Evaluation

The primary hazards anticipated with field activities are lead exposure and hazards not associated with the on-site wastes. Non-lead exposure hazards include heat stress, physical and mechanical hazards, and severe weather.

Heat stress: All field members will be monitored for heat stress and fatigue by the site health and safety officer. Appropriate clothing for weather conditions will be determined by health and safety officer. The exact work periods will be determined, if needed due to weather conditions, by the health and safety officer.

Physical and mechanical hazards: Prior to entry, field members will be briefed on the physical and mechanical hazards known to exist on site and will work in teams of two, at a minimum. Possible physical and mechanical hazards are buried service lines, steep gradients, trenches, holes, ditches, slippery surfaces, sharp objects, such as nails, metal shards, and broken glass, and bullet fragments. Snakes, insects, and other various animals are also of concern during all field activities.

Severe weather: Severe thunderstorms are the type of severe weather that can be anticipated. Weather forecasts will be monitored beginning four days before field activities are planned to occur and during on-site activities.

D. Site Safety Work Plan

Perimeter Establishment: Map/sketch attached: yes Site secured: yes

Zone(s) of Contamination Identified: yes

Personal Protection:

Level of Protection: A ____ B____ C____ D X

Level D equipment that will be required include safety glasses, disposable latex gloves, and steel-toed boots. The health and safety officer will make the determination whether the use of respirators is necessary.

The following are not allowed in areas of contamination: smoking, eating, drinking, chewing of gum and tobacco, or horseplay. Fluid replenishment will be allowed, but only at the site command center. Individual sampling team personnel, while in the work zone, must remain within eyesight of their "buddy". All personnel entering the work zone are required to have the OSHA 40-Hour Hazardous Waste Operations (HAZWOPER) training and medical baseline monitoring.

Decontamination Procedures: Decontamination of personal protective equipment (PPE) in the field will be performed to the extent practical. If appropriate, a decon area will be established near the command post for the decontamination of personal protective equipment (PPE) and sampling equipment. While in the decon area, disposable PPE and disposable sampling tools will be collected, double bagged, and stored for final disposal at DEQ facilities in Oklahoma City. While in the decon area, exposed skin will be washed with soap and water. In an emergency, the primary concern is to prevent the loss of life or severe injury to site personnel. If immediate medical treatment is required to save a life, decontamination will be delayed until the victim is stabilized.

Special Equipment, Facilities, or Procedures: None are anticipated, but if field conditions warrant, any modifications made in the field will be recorded in the site logbook.

Site Control: Access to the site is not restricted. Nonetheless, DEQ field team members will continually monitor for unauthorized persons entering the site during sampling activities. Trespassers will be confronted and asked to leave the site. Local police will be notified if the unauthorized persons are uncooperative. The property owners will be permitted to view all sampling activities from a safe distance.

Work Limitations: Limitations of site activity are: (1) length of day - sampling will take place only during daylight hours; (2) severe weather - samples will not be collected if adverse weather conditions exist; (3) heavy precipitation - samples will not be collected if sample integrity is questioned (rain may affect the sample quality). If heavy precipitation is encountered, the sampling event will be postponed until weather conditions permit.

Investigative-Derived Waste Disposal: Contaminated sample equipment and personal protective equipment will be double bagged and returned to DEQ headquarters in Oklahoma City for proper

decontamination. Disposable PPE and other waste generated during the sampling event will be double bagged and returned to DEQ headquarters for proper disposal.

E. Site Personnel

Team Member	Responsibility
Brian Stanila	Project Manager, Health and Safety Officer
Todd Downham	Sampling Team Member
Jordan Caldwell	Sampling Team Member
Dustin Davidson	Sampling Team Member
Sara Downard	Sampling Team Member
Mike Reid	Sampling Team Member

There will be two copies of this Health and Safety Plan (HSP) present at the Site. The Health and Safety Officer will review the HSP with all sampling team members before sampling activities begin.

F. Emergency Information

Ambulance	911
Fire Department	911
Police	911

Hospital: 1323 W. 6th Ave., Stillwater, OK (405) 372-1480

See Figure 1 for map and route to hospital.

From Site:

Head East on Airport Rd to Wright Drive. Turn right on N3330 Rd/Washington Street. Continue onto N. Boomer Road and then onto N. Main Street. Turn right (west) onto 6th Street and travel 1.0 mile. The hospital is on south side of road.

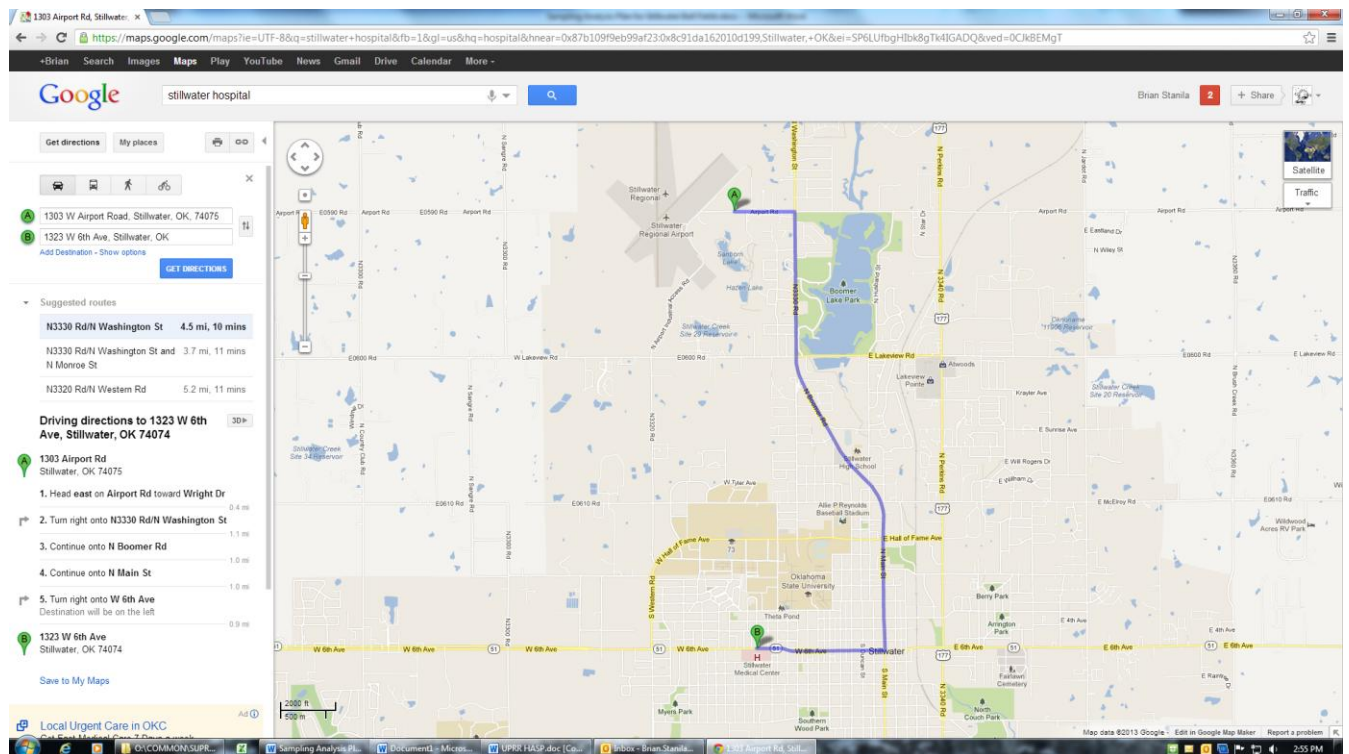
OK Poison Control	1-800-522-4611
-------------------	----------------

All injuries or illness will be immediately reported to the project manager and/or the health and safety officer. These conditions will then be recorded into the site's logbook. A cellular phone will be on-site, at the command post. A first aid kit will be located at the command center, enabling temporary first aid to be administered until necessary medical treatment can be obtained.

Chain of command in case of emergency:

Steve Thompson - DEQ Executive Director
^
Scott Thompson – Land Protection Division Director
^
Rita Kottke – Environmental Programs Manager
^
Angela Hughes - Environmental Programs Manager
^
Brian Stanila – Environmental Programs Specialist

Figure 1: Route to Hospital



- Head East on Airport Rd to Wright Dr.
- Turn right on N3330 Rd/Washington St
- Continue onto N Boomer Rd
- Continue onto N Main St
- Turn right (west) onto 6th st
- Travel 1.0 mile, Hospital should be on south side of road

Figure 2. Site Map

Figure 1. Sanborn Softball Fields - Site Vicinity



APPENDIX C

Stillwater Bull fields 5/14/2013

NW 1/4 of NE 1/4 of Sec 3 T19N R2E

Barbara Bliss ⁽⁴⁶⁵⁾ 533-3509

The Visit - Stillwater Bull fields

Brian Sparks X parked near barnhouse
Jordan Caldwell X walked property N

arrive @ site around 12:10

some scattered concrete in
general area of where shooting pads
once were

South of fields - small runoff stream
leads to small grove of willows

- approx 450 sq ft of dead area
(1 patch) - ~~located near 1st~~
small pieces of black rubber/plastic
material in the dead areas
- assumed to be clay pigeons, some
sides ~~were~~ were painted
• 290 sq ft of dead area (patch)
w/ small black pieces

both patches of dead area (^{little} ~~the~~ grass)
are near the 375-400 ft line
south of field #5
middle of the large area of concern

- another small patch of dead area (^{little} ~~the~~ grass)
50 sq ft - small black pieces present

- North of other dead areas

- found what looks to be weathered
lead

after walking North from the beachhouse
area, we found several patches of
dirt a little more grass growth to which
I have referred to as "dead areas".

These varied in size and all had

small weathered pieces of black plastic.

We are assuming these black pieces

are remains of old pigeons shot in the
trap range. these dead areas

coincided w/ what was determined

to be the hottest zone of contamination
(see SARFex exploration of new hottest zone

was identified)

- Ball fields had no visible signs of
contamination. Dead areas were

observed in the field behind the ball fields.

5/28/2013 - Sanborn Fields

arrive @ site @ 10:30 am

Dustin Davidson

Brian Stanila, wind coming out of
overcast, approx 77-80° south 15-20 mph

Began to flag site @ 11:00 am

finished flagging @ 12:30 (1230)
28 samples
+ 3 dupes

Hot spot sampling

• BGS

• Sampling for TPH & PAH in locations
w/ visible shooting clay pieces and
limited vegetative growth

• collecting 9 grab samples

Hot spot (HS)

HS-1 - Northern most location

Sample collected @ 1245

collector BGS

GPS point collected

Grab sample

①

GPS Points while flagging

R052811A used GPS #80

GPS points 1 although 10 collected

GPS quit working. unable to acquire satellites

unable to gps the rest of flags

HS GRS

HS-1 collected approx 1245

HS-2-43 collected approx 1:00

②

Hot Spot Sampling Continued

HS-2 - 250 ft from ball field fence

Grab sample 25 ft from small wetland area
Sample collected @ 1:00 (1300)
collected by DD

HS-3 duplicate of HS-2
dye collected @ 1300

Grab sample GRS point collected

HS-4 - no distinguishing land mark, about 200 ft
SE of wetland area

Grab sample Sample collected @ 1:10 (1310)
collected by DD
GRS point collected

(3)

Pictures

PIC 1 HS-1

PIC 2 - facing south, shooting flagged
bees

PIC 3 - HS-2 43

PIC 4 - facing North, flagged field

" 5 - facing west, wetland

" 6 - facing SE, flagged field

" 7 - HS-4

8 - East site facing South

9 - South Ball field facing West

10-11 - South Ball field facing West

12 - South Ball field facing South

13 - North Ball field facing North

14 - North Ball field facing West

15 - North Ball field facing North

16 - Ball field Entrance facing West

17-19 Ditch area facing East

20-21 West site facing West

Drummond
5/25/2013

Stillwater Baseball Field

Date: 5/29/13

Samplers: Sam Davidson / Dustin Dinkler

Weather: Windy / Overcast / 67° / Humid / Soft

Time: 9:52 - arrived

5 point composite samples for metals
 Samples include field surrounding
 the baseball field

Metals / 5 point composite

Location #1 / SS-1

0-10

10:00

No visual signs of impacts / Silty Clay

Location #2 / SS-2

0-10

10:10

No visual signs of impacts / Silty Clay

Location #3 / SS-3

0-10

10:15

No visual impacts / Silty Clay / Top soil
 0-2" is visually darker than the bottom
 2-4" very red interior

Location #4 / SS-4

0-10

10:25

No visual material / Bone areas in yard /
 Silty Clay

SS-5

0-10

10:30

Bone areas / Visible head shot / Silty
 clay mixed with small gravel

SS-6

0-10

10:40

No visual master / Silty clay

SS-7 (Duplicate)

O-V

10:40

No visual master / Silty clay

SS-9

O-V

10:50

No visual master / Bone areas / Silty clay

SS-20

O-V

11:00

No visual master / Silty clay

SS-12

O-V

11:15

Bone areas / head shot over active grid / Silty clay

SS-16

O-V

11:40

No visual master / Silty clay

SS-11

O-V

11:50

Bone areas / Petatol head shot / Silty clay

SS-13

O-V

12:00

No visual master / Silty clay / Bone areas with gravel and denture bolts and Plastic

SS-14

O-V

12:15

Bone areas / Evidence of both Clay Figures

and head shot

SS-15

O-V

1225

Alignment to a wetland area / no
visual impacts / sitting dry

SS-16

O-V

1330

Grid is adjacent to drainage area,
and wetland area / no visual material
sitting dry

SS-17

O-V

1340

no visual material / some low areas
Potentially due to drainage from
wetland area.

SS-18

O-V

1345

Visual material (Clay Pigeons) below
surface / very close / sitting dry
no low areas

SS-19

O-V

1355

Visible material in north east corner of
comp site / Clay Pigeons below the
surface / sitting dry / no low areas

SS-20 (Duplicate)

O-V

1355

Description listed in SS-19 (above)

SS-21

O-V

1400

Visual material (Clay Pigeons / head shot) /

Silt/clay / Bone areas

SS-22

0-10

1415

no bone areas / no visual matter /
silt/clay

SS-23

0-10

1425

no bone areas / no visual matter /
silt/clay

SS-24

0-10

1435

bone areas / visual on surface and
around surface / silt/clay

Spoke w/ two national guardsmen,
who remembered the shooting range
being present. They confirmed that it
was only a trap range and that there
were no beams that were fired into.

Bruce Spake

5/29/2013

GPS Unit

1. Juna SB *Clock OFF

File: R052909 ^{refer time}

date: BF-1

BF-2 } Field 4

BF-3 } Cook

BF-8

BF-4

BF-5 BF-6, 7, 8, 9, 10, 11, 12, 13, 14

2. #80 GEO XI

File: R052910A

data: BF-9 } Field 4

BF-10 }

BF-11 }

BF-12 } Field 5

Sandborn Ball Fields

5/29/13

Total: 0955A

Cloudy, Fair

Rain Likely

BF-1 (comp)

Team #

Depth: ~3"

Michael Reid
Todd Downham
Brian Stanila

TOC: 1015A

GPS: Yes Read

Descrip.: Right Field (center point)
22 yards & in field

Collector: Downham

BF-2 (comp)

Depth: ~~~2~~ 4

TOC: 1035 A

GPS: Yes Reid

Descrip: Center field ~25 yards
from 2nd Base; due left
5 ft)

Collector: Devinham

BF-3 (comp)

Depth: ~3

TOC: 1045 A

GPS: Yes Reid
No Real-Time Unconnected

Descrip: Mid left field between
2nd & 3rd Base,
~28 yards from infield

Collector: Devinham

BF-9 (gnab)

TOC: 1035A

Descrip. 2nd Base

GPS: Yes Staivla Unconv.

Collector: B. Staivla

BF-10 (gnab)

TOC: 1031A

Descrip: 3rd Base

GPS: Yes Staivla Unconv.

Collector: BPS

Pic #1 Todd/Mike
Sample - BF-2

BF-11 (grab)

TOC: 1040 A

GPS: Taken^(yes) Uncorr.

Descrip. Home Plate

Collector BBS

BF-4 (comp)

Depth: n4

TOC: 1105 A

GPS: Yes Reid

Descrip: ~30 yards back right field
midpoint; between 1st/2nd base

Collector: Downham

BF-5 (comp.)

Depth: ~3.5

TOC: 1130A

GPS: Yes Reid

Descrip.: Center field, midpoint
~27 yards behind 2nd base.

Collector: Durham

BF-6 (comp.)

Depth: 5-6 "

TOC: 1145A

GPS: Yes Reid

Descrip.: Left field midpoint
~25 yds. back between 2nd &
3rd base

Collector: Durham

BF-12 (gnab)

TOC: 1125A

GPS: Taken Lovers;

Descrip. 2nd base

BF-8 (comp)

TOC: 1210P

GPS: Yes Reid

Descrip: Left (~~2nd~~ East) of
left field

Collector: Danham

BF-7 (comp) * Duplicate of BF-6

Depth: 5-6'

TOC: 1145A

GPS: Yes Reid

Descrip: left field " "

Collector: Danham

BF-13 (gray)

TOC: 1133A

GPS: Yes Unaver

Descrip: 3rd Base

BF-14 (gray)

TOC: 1145A

~~GPS~~ GPS Yes Red

Descrip. houseplate
BF-15 (darker of BF-14)

TOC: 1145A

GPS Yes Red

~~GPS~~ Descrip. houseplate

SS-30 (comp.)

Depth: ~3"
TOC: 1345P

Descrip. 11 ↓ 11

Collector Downham/Reid

SS-31 (comp.) dupes ^{SS-30}

Depth: ~3"

TOC: 1345P

Descrip. SE most S part of
site N of road/light pole

Collector Downham/Reid

SS-28 (comp)
Depth: ~3
TDC: 1418 P

Descrip. Broken "Clay Pig" Observed
~25 NW of road
Collector Todd Downham

SS-27 (comp)
Depth: ~3

TDC: 1428 P
Descrip.: NW of road, & trees (2)
hidden light pits + near trees
Collector: Todd Downham

SS-29 (comp)
Depth: ~3

TDC: 1438 P
Descrip. Broken Clay Observed
55 yds NW of road
Collector: Todd Downham

SS-26 (comp)
Depth: ~3

TDC: 1438 P
Descrip.: "Clay Pig" present ~20 yds W of
road ~20 yds S of ditch
Collector: Downham

SS-25 (comp)

Depth: ~3 TDC: 1448 P
"Clay Pigeons" present
Descrip. ~50 yds E of road, 40 yds E of ditch
Collector: Todd Downham

APPENDIX B

Addendum #1 – Softball Field Hot Spot Delineation

To

Sampling Analysis Plan for Sanborn Lake Park & Sports Complex

1. INTRODUCTION

1.1. Site History

Sanborn Lake Park & Sports Complex (Sanborn Fields or Site) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075. Land use at the Site prior to construction of the Sanborn Fields consisted of an outdoor firing range. A full site history can be obtained in Appendix A.

1.2. Purpose of Study

On April 22, 2013, a complaint was received by the Department of Environmental Quality (DEQ) that the current Sanborn Fields once operated as an outdoor firing range. In response, DEQ collected 59 soil samples from two ball fields and a large field behind the ball fields. Soil samples were analyzed for total petroleum hydrocarbons, polycyclic aromatic hydrocarbons, and lead. Four samples from Field #5 exceeded EPA residential and industrial screening levels for lead and are identified as a contaminant of concern (COC). See Appendix 2 for data results from first sampling event. The DEQ's data quality objectives and purpose of the study are to delineate lead contamination on Field #5. The results from this study will be used to determine the scope of remedial activities.

2. SITE DESCRIPTION

The Site is currently used for adult softball fields with participants typically in the 16-50 year old range. A full site description can be obtained in Appendix A.

3. SAMPLING ACTIVITIES

3.1. Targets

DEQ has determined that human health targets will include athletes playing on Sanborn Fields and children playing around Sanborn Fields. The exposure pathway for COC at the Site, include ingestion and inhalation. Exposure may come from strong winds blowing lead contaminated dust in the air, from incidental ingestion from softball related activities, or hand to mouth ingestion from children playing in dirt.

3.2. Contaminants of Concern

The COC at the Site is lead. Lead was widely dispersed across the Site with the highest concentrations falling into the shot fall zone of the outdoor firing range. Lead on Field #5 exceeded residential and industrial screening levels for lead (Appendix A).

3.3. *Field Procedures*

3.3.1. Sample design

The DEQ will collect soil grab samples from Field #5. Grab samples will be collected only in the outfield of Field #5. Previous sampling documented the infield having lead concentrations less than residential screening levels (Appendix A). Grab samples will consist of a single grab and will be collected from 0-6" in depth. Samples will be separated by approximately 20-30 feet. A GPS point will be collected at the location of each sample. A map of the proposed sampling is in Figure 1. Soil sampling will allow DEQ to determine the extent of surficial contamination at the Site.

The DEQ will also utilize sub-surface grab sampling in the outfield of Field #5. Samples will consist of a single grab and will be collected from 6-12" in depth. A GPS point will be collected at the location of each sample. A map of the proposed sampling can be viewed in Figure 2. Depth integrated sampling will allow DEQ to approximate the depth of contamination and will assist in determining the scope of remedial action.

3.3.2. Sample collection

DEQ estimates 38 surficial grab samples and five sub-surface grab samples will be collected for lead analysis. As per DEQ's Quality Management Plan, a duplicate sample will be collected at the rate of one per every 10 samples. DEQ anticipates collecting four duplicate grab samples.

Surficial grab samples will be collected with dedicated stainless steel spoons, while sub-surface grab samples will be collected with the assistance of a hand auger. Grab samples will be placed in 4 oz glass jars. Samples will be collected from a depth of 0-6" and 6-12". Surficial grab samples will be collected with a dedicated spoon and sub-surface grab samples will use dedicated hand augers, thus there will be no need for field decontamination or equipment blanks. Used spoons will be placed in used collection bags and stored in a large garbage bag until the sample team returns to DEQ. Used augers will be wrapped in poly-sheeting and placed in garbage bags. Upon returning to DEQ, used bags will be disposed of appropriately and used spoons/augers will be decontaminated using DI water and liquinox.

The sample team leader will be responsible for documenting the sample collection process in the field log book. Items to be recorded include but are not limited to; site name, description of field task, date and time field work begins, weather conditions, sample team members, time of sample collection, sample number, sample location, sample depth, sample media, and physical properties or descriptions of media.

3.3.3. Sample collection equipment

- Flags
- Stainless Steel Spoons

- Trowels
- Hand auger
- 4 oz collection jars
- Coolers with ice
- Global Positioning System (GPS)
- Range Finder
- Nitrile Gloves
- Camera
- Chain of custody forms
- Sample log in sheets
- Sample labels
- Field log books
- Garbage Bags

3.3.4. Sample handling and QA/QC

After collection, each sample will be placed in the appropriate sample container. Each sample container will be labeled on-site with indelible ink as to sample date, sample time, and sample ID. The sample team leader is responsible for labeling each sample container. To avoid cross contamination, all samplers will don nitrile gloves during sample collection process. Nitrile gloves will only be used for once. Spent gloves will be placed in a large garbage bag and disposed of appropriately upon returning to DEQ. Under no circumstances will any set of gloves be used more than once.

3.4. Lab Methods

3.4.1. Sample Analysis

For sample analysis DEQ will utilize the State Environmental Laboratory (SEL). EPA Method 6010 will be used to analyze grab soil samples for total lead concentration.

3.4.2. Sample Receipt

Incoming samples will also be accounted for via chain-of-custody (COC) forms. Sample collectors will have the responsibility for properly completing this form. When samples are received, Sample Receiving personnel will check for accuracy and completeness, accept custody, and file COCs with other sample login paperwork in file cabinets located in Sample Receiving. The Project Manager will be given duplicate copies of login forms for separate storage with other records related to this project. The Project Manager will act as sample custodian and will ensure that all samples are relinquished and received by Sample Receiving. If samples are delivered after operating business hours, sample custodian will follow appropriate Sample Receiving protocols and will lock samples in Sample Receiving. The sample number and parameters shall be logged into a computer for tracking. Sample custody shall be maintained in the sample receiving area until disbursement for analysis. All samples will be stored in the laboratory area until all analyses have been performed and results verified.

4. DATA MANAGEMENT AND ANALYSIS

4.1. Data Management

All sample results, field notes, and relevant information will be returned to the Project Manager. Sample custody prior to sample login and pickup by the appropriate section is the responsibility of Sample Receiving, as is the responsibility for assignment of sample number and distribution and storage of Laboratory Final Reports.

4.2. Data analysis

DEQ will evaluate the data to determine the depth of contamination and recognized hot spots.

5. PROJECT MANAGEMENT

Brian D. Stanila
Environmental Programs Specialist
Land Protection Division
Brian.Stanila@deq.ok.gov
(405) 702-5138

6. HEALTH AND SAFETY

A Site specific Health and Safety Plan is attached in Appendix B.

7. ESTIMATE OF COST

Previous sampling and analysis cost was 3,314.32.

Item	Number (n)	Cost of Method (ea)	Total Cost
Total Lead Analysis (Method 6010) – Soil Samples	43	\$22.87	\$983.41
Total Lead Analysis (Method 6010) - Duplicates	4	\$22.87	\$91.36
TOTALS	47		\$1074.89

8. ATTACHMENTS

- 8.1. *Figure 1* – Proposed Surficial Sampling Locations
- 8.2. *Figure 2* – Proposed Sub-surface Sampling Locations
- 8.3. *Appendix A* – Technical Memorandum: Sanborn Softball Fields Sample Results
- 8.4. *Appendix B* – Health and Safety Plan

Figure 1. Proposed Surficial Sample Locations



Map created by Brian Stanila
on 1/16/2014.

We make every effort to provide and maintain accurate, complete, usable, and timely information. However, some data and information on this map may be preliminary or out of date and is provided with the understanding that it is not guaranteed to be correct or complete. Conclusions drawn from, or actions undertaken on the basis of, such data and information are the sole responsibility of the user.

Figure 2. Proposed Sub-Surface Sample Locations



Map created by Brian Stanila
on 1/16/2014.

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**HEALTH AND SAFETY PLAN
FOR
SANBORN SOFTBALL FIELDS
IN
PAYNE COUNTY, OKLAHOMA**

A. General Information

Site Name: Sanborn Softball Fields

Location: Sanborn Lake Park & Sports Complex (Sanborn Fields) is owned by the City of Stillwater and is located at 1303 W Airport Road, Stillwater, OK, 74075 (NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East). The site reference point is latitude 36°09'30.03"N, longitude 97°04'33.75"W.

Objective: The Health and Safety Plan is intended to establish requirements and procedures to be followed during the sampling event to protect the health and safety of investigative personnel and the nearby public.

Project Objective: The purpose of the study is to evaluate the potential human health risk caused by lead at the defunct outdoor firing range. The current land use suggests that athletes and bystanders at the Sanborn Fields are potentially exposed to lead.

Proposed Date of Sampling Activities: February 2014

Background Review: Complete: X Preliminary:

Overall Hazard: Serious: Moderate:

Low: X Unknown:

B. Waste Characteristics

Waste Type(s): Liquid Solid X Sludge Gas

Characteristic(s): Corrosive Ignitable Radioactive

Volatile____ Toxic__X__ Reactive____ Unknown____

Site Description: Based on historic aerial photography, the site operated as a trap range from approximately 1969 until the late 70s. The site is currently used for adult softball fields with participants typically in the 16-50 year old range. The western fields were constructed in the middle 70's and the two eastern fields have been in operation since April of 1980. Children will be on site if accompanying adults to softball games or during occasional events held in the open fields surrounding the ball fields.

The entire complex consists of five ball fields, open grassy fields, Sanborn Lake, and an unnamed pond (Figure 1). It is bordered by Airport Road to the north, Stillwater Regional Airport to the west, Sanborn Lake to the south, and a small unnamed road to the east. Also, on the east side of the unnamed road, is the Stillwater National Guard Armory. The area of concern is the eastern half of the complex which includes fields #4 and #5 (Figure 4). There are open grassy areas to the west and south of these fields. Sanborn Lake lies approximately 650 feet to the southwest of the fields with the unnamed pond located at the northeast edge of Sanborn Lake, about 300 feet from the fields. A drainage ditch divides the site into east and west halves and flows into the unnamed pond. There are two residential neighborhoods approximately 500-600 feet east and northeast of Field #4 and #5.

C. Hazard Evaluation

The primary hazards anticipated with field activities are lead exposure and hazards not associated with the on-site wastes. Non-lead exposure hazards include cold stress, physical and mechanical hazards, and severe weather.

Cold stress: All field members will be monitored for cold stress and fatigue by the site health and safety officer. Appropriate clothing for weather conditions will be determined by health and safety officer. The exact work periods will be determined, if needed due to weather conditions, by the health and safety officer.

Physical and mechanical hazards: Prior to entry, field members will be briefed on the physical and mechanical hazards known to exist on site and will work in teams of two, at a minimum. Possible physical and mechanical hazards are buried service lines, steep gradients, trenches, holes, ditches, slippery surfaces, sharp objects, such as nails, metal shards, and broken glass, and bullet fragments. Snakes, insects, and other various animals are also of concern during all field activities.

Severe weather: Severe thunderstorms are the type of severe weather that can be anticipated. Weather forecasts will be monitored beginning four days before field activities are planned to occur and during on-site activities.

D. Site Safety Work Plan

Perimeter Establishment: Map/sketch attached: yes Site secured: yes

Zone(s) of Contamination Identified: yes

Personal Protection:

Level of Protection: A ____ B ____ C ____ D X

Level D equipment that will be required include safety glasses, disposable latex gloves, and steel-toed boots. The health and safety officer will make the determination whether the use of respirators is necessary.

The following are not allowed in areas of contamination: smoking, eating, drinking, chewing of gum and tobacco, or horseplay. Fluid replenishment will be allowed, but only at the site command center. Individual sampling team personnel, while in the work zone, must remain within eyesight of their "buddy". All personnel entering the work zone are required to have the OSHA 40-Hour Hazardous Waste Operations (HAZWOPER) training and medical baseline monitoring.

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Special Equipment, Facilities, or Procedures: None are anticipated, but if field conditions warrant, any modifications made in the field will be recorded in the site logbook.

Site Control: Access to the site is not restricted. Nonetheless, DEQ field team members will continually monitor for unauthorized persons entering the site during sampling activities. Trespassers will be confronted and asked to leave the site. Local police will be notified if the unauthorized persons are uncooperative. The property owners will be permitted to view all sampling activities from a safe distance.

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Todd Downham	Sampling Team Member
Sara Downard	Sampling Team Member
Brittany Downs	Sampling Team Member
Dustin Davidson	Sampling Team Member

There will be two copies of this Health and Safety Plan (HSP) present at the Site. The Health and Safety Officer will review the HSP with all sampling team members before sampling activities begin.

F. Emergency Information

Ambulance	911
Fire Department	911
Police	911

Hospital: 1323 W. 6th Ave., Stillwater, OK (405) 372-1480

See Figure 1 for map and route to hospital.

From Site:

Head East on Airport Rd to Wright Drive. Turn right on N3330 Rd/Washington Street. Continue onto N. Boomer Road and then onto N. Main Street. Turn right (west) onto 6th Street and travel 1.0 mile. The hospital is on south side of road.

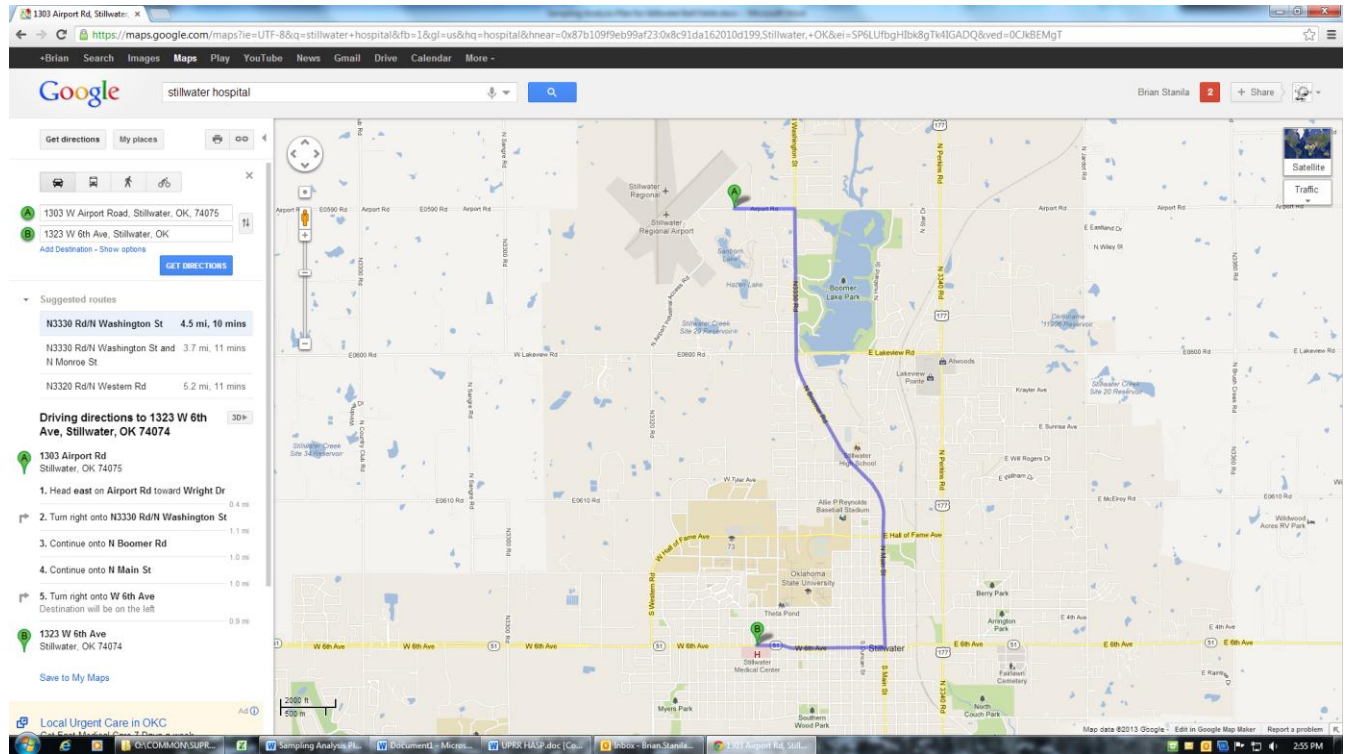
OK Poison Control 1-800-522-4611

All injuries or illness will be immediately reported to the project manager and/or the health and safety officer. These conditions will then be recorded into the site's logbook. A cellular phone will be on-site, at the command post. A first aid kit will be located at the command center, enabling temporary first aid to be administered until necessary medical treatment can be obtained.

Chain of command in case of emergency:

Steve Thompson - DEQ Executive Director
^
Scott Thompson – Land Protection Division Director
^
Rita Kottke – Environmental Programs Manager
^
Angela Hughes - Environmental Programs Manager
^
Brian Stanila – Environmental Programs Specialist

Figure 1: Route to Hospital



- Head East on Airport Rd to Wright Dr.
- Turn right on N3330 Rd/Washington St
- Continue onto N Boomer Rd
- Continue onto N Main St
- Turn right (west) onto 6th st
- Travel 1.0 mile, Hospital should be on south side of road

Figure 2. Site Map

Figure 1. Sanborn Softball Fields - Site Vicinity



APPENDIX C

Sanborn Softball Fields

2/19/2014 Brian Stanila
Brittany Downs
Dustin Davidson

Arrive @ site approx 10:30 ^{wind 15-20 SW}

overcast - 55° 100% cloud cover

Flagged site = 48 samples in total

4 dupes

5 depth samples 6-12"

39 soil samples 0-6"

~~scrapes~~ Samples will be collected

from soil in the outfield of field #5-

@ Sanborn Park. Samples will be

concentrated in the outfield. Samples

will be collected w/ dedicated equipment

Samples will be grabs

10 samples collected

* Sample depth @ 0.5 = 0-6", sample
depth 1.0 = 6-12"

* GPS #80 file type: Rover
File name: R052015A

2/19/2014 Sample collection

SS-1

0-6"

13:01

GPS point collected

SS-2

0-6"

13:05

GPS point collected

SS-3

0-12"

13:09

GPS point collected

This sample taken at depth
with an auger - clay-rich

SS-4

0-6"

13:16

GPS point collected

SS-5

0-6"

13:20

GPS point collected

SS-6

0-6"

13:25

GPS point collected

SS-7

0-6"

13:33

GPS point collected

SS-8

0-6"

13:40

GPS point collected

SS-9

0-6"

13:40

Duplicate

GPS point collected

SS-10

0-6"

13:45

GPS point collected

Full site approx 2:30/14:30

Benin Bula
2/19/2014

2/20/2014

Sanborn Softball Fields Brian Stunika
Still water, OK

arrived @ site approx 9:30 am.
Brittany Downs

Very windy & cold
overcast 100% cloud cover

Sample team split 4 into 2 teams

Dustin & Brittany = Team #1

Sara & Jordan = Team #2

↳ generally sample collector, other was data recorder
Grab samples collected across the
ball field @ flagged sites.

BDS collected GPS points @

all collection sites.

However, GPS collection time is not
necessarily the ~~same~~ sample collection time,

additionally, sample collection info from team #2
will be transferred into this book

58 samples collected

GPS #80 file R052815A

2/20

SS-11
0-6"
09:20

SS-12
0-6"
09:24

SS-14
0-6"
09:28

SS-15
0-6"
09:31

SS-16
0-6"
09:34

SS-13
6-12"
09:40

had to wait for other sampling
team to finish with auger
handle - had to skip this one
and come back to it.
Soil is clay rich.

SS-17
0-6"
09:48

SS-18
0-6"
09:50

SS-19
0-6"
09:54

SS-20
0-6"
09:54
duplicate

SS-21
0-6"
09:57

SS-22
0-6"
10:00

SS-23
0-6"
10:04

SS-24
0-6"
10:07

2/20/2014

SS-25
0-6"
10:14

SS-26
0-6"
10:17

SS-27
6-12"
10:21
Soil v. clay rich

SS-28
0-6"
10:24

SS-29
0-6"
10:27

SS-30
0-6"
10:30

SS-31
0-6"
10:33

Left site approx 11:30

Bur-Gruber
2/20/2014

2/20/2014 Sunborn Softball fields

Team #2 Transferred info

Sara Downard

Jordan Caldwell

SS-47

0-6"

9:26 GPS point collected

Collector: SD

SS-48

6-12"

09:30 GPS point collected

Collector: SD

SS-46

0-6"

9:37 GPS point collected

Collector: SD

SS-44

0-6"

9:40 GPS point collected

Collector: SD

SS-45 (dupe of SS-44)

0-6"

9:40 GPS point collected

Collector: SD

SS-40

0-6"

9:47 GPS point collected

Collector: SD

SS-41

6-12"

9:51 GPS point collected

Collector: SD

SS-42

0-6"

9:56 GPS point collected

Collector: SD

SS-43

0-6"

10:00 GPS point collected

Collector: SD

SS-39

0-6"

10:05 GPS point collected

collector: SD

SS-38

0-6"

10:12 GPS point collected

collector: SD

SS-37

0-6"

10:17 GPS point collected

collector: SD

SS-36

0-6"

10:23 GPS point collected

collector: SD

SS-35

0-6"

10:27 GPS point collected

collector: SD

SS-33

0-6"

10:33 GPS point collected

collector: SD

SS-34 (Dipe of SS-33)

0-6"

10:33 GPS point collected

collector: SD

SS-32

0-6"

10:39 GPS point collected

collector: SD

Bin Jmler

2/25/2014

transferred from

other log book

Scope of Work

STATEMENT OF WORK FOR SOIL REMEDIATION AT THE SANBORN SOFTBALL FIELDS

The Oklahoma Department of Environmental Quality (DEQ) is requesting cost estimates from a qualified professional for remediation services at the Sanborn Softball Fields (Site) in Stillwater, Oklahoma. This statement of work (SOW) describes the remediation of lead contaminated soils associated with the operation of a former outdoor firing range. The Site is approximately 3/4 acre in size and aerial photographs of the Site are attached in **Appendix A**. Contamination anticipated to be encountered at the Site is lead associated with bullet fragments fired into the area. This work must be performed to provide unrestricted residential use of the property. A mandatory Site visit and walk through will be held to give a better understanding of the SOW and Site.

Cost estimate and the time required to complete tasks shall be submitted for Option A and Option B.

- Option A – Hauling all hazardous soils to hazardous waste landfill (assuming hazardous)
- Option B – Stabilizing soils and disposing at non-hazardous waste landfill (assuming hazardous)

1.0 Mandatory Site Visit

A mandatory Site visit will be held prior to the submission of the cost estimate.

Location: 1201 W. Airport Road, Stillwater, OK, 74075
NW/4 of NE/4 of Section 3, Township 19 N, Range 2 East, Payne County

Contact: Brian D. Stanila
Brian.Stanila@deq.ok.gov
(405) 702-5138

Trenton Wilhelm
Trenton.Wilhelm@deq.ok.gov
(405) 702-5108

2.0 Contract Term

The contract period shall be for a maximum of 60 days, effective upon the Notice to Proceed.

DEQ may terminate the Contract in the event that DEQ is not granted funding to pay for the services herein described or in the event that funding is lost due to either a reduction in the budget or a reallocation of budgeted funds. Reallocation of budgeted funds is at the sole discretion of DEQ. DEQ shall notify Contractor of any such termination, by delivering a Notice of Termination for Convenience specifying the terms and effective date of Contract termination. The effective date of termination shall be specified in the notice.

If the Contract is terminated, the DEQ shall be liable only for products and/or services delivered and accepted, and for costs and expenses reasonably incurred prior to the date upon which the Notice of Termination for Convenience was received by the supplier.

Audits and Records Clause: As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form. In accepting any Contract with the DEQ, the Contractor agrees any pertinent State or Federal agency will have the right to examine and audit all records relevant to execution and performance of the resultant Contract.

Contractor is required to retain records relative to the Contract for the duration of the Contract and for a period of five (5) years following completion and/or termination of the Contract. If an audit, litigation, or other action involving such records is started before the end of the five (5) year period, the records are required to be maintained for two (2) years from the date that all issues arising out of the action are resolved, or until the end of the five (5) year retention period, whichever is later.

3.0 Minimum Qualifications

The Contractor must meet the following minimum qualifications:

- Contractor must attend Site walkthrough.
- Contractor must have a Project Manager certified in OSHA 40 HR HAZWOPER.

4.0 Special Provisions

4.1 Work Schedule

- The Contractor shall schedule all work to be completed within 60 days after the written "Notice to Proceed" (NTP).
- A pre-construction meeting shall be held at the Site after the NTP is issued to review SOW and answer any questions from the Contractor.
- All on-site work shall be completed by the Contractor fifteen (15) days prior to the scheduled contract completion date for substantial completion and submittal of final invoice.

4.2 Conditions of Work

The following conditions of work will apply in accomplishment of this contract:

- All work shall be performed in accordance with all applicable State and Federal regulations.
- The Contractor shall perform all work in a manner as to cause a minimum disturbance to near-by landowners.
- Contractor must have training in OSHA 40 HR HAZWOPER.
- Names and contact information of Project Manager, Project Contact, and Health and Safety Officer shall be submitted to DEQ.
- A Schedule of Work shall be submitted to DEQ.
- Contractor shall have a **Health and Safety Plan (HSP)** that outlines hazards of the work place environment, precautions that will be undertaken to prevent exposure to hazards, and route to closest hospital. HSP shall be available for on-site inspection.
- Contractor shall have a **Contaminated Materials Management Plan (CMMP)** or follow written procedures that document the decontamination of equipment and vehicles that leave the Site and identifies best management practices to ensure that contamination does not move off-site. CMMP or written procedures shall be available for review.

5.0 Site Work and Remedial Activities

5.1 Primer to On-Site Activities

- Location of any and all underground service lines and utilities will be provided by the City of Stillwater.
- Location of any and all irrigation pipelines and sprinkler heads will be provided by the City of Stillwater.
- Prior to excavation, a survey shall be performed of the excavation area.
- A construction entrance will be agreed upon by all parties during the preconstruction meeting.

5.2 Earthwork

In general, earthwork activities will consist of excavation of contaminated soils, addition of stabilizing agent (if applicable), and hauling and disposal of soils to permitted landfill.

5.2.1 Excavation

- Contractor shall excavate 12" of contaminated soil according to figures provided in **Appendix B**.
- Excavation shall be contained within the foul line poles and only in the outfield.
- Hand excavation of a two foot diameter is required around each sprinkler head.
- There are an estimated 15-20 sprinkler heads.
- The estimated volume of contaminated soil is approximately 1,200 yds³.
- The estimated mass of contaminated soil is approximately 1800 tons.

5.2.2 Hazardous Waste Disposal (Option A)

- Dispose soil as hazardous waste.
- Provide copy of waste profile for DEQ records
- Must follow all Federal and State Hazardous Waste Rules and Regulations.

5.2.3 Amendments/Stabilizing Agent (Option B)

- Add amendments/stabilizing agent at a rate that stabilizes the contaminated soils.
- The addition of any amendments or stabilizing agents shall first be approved by DEQ.
- Ensure that fugitive dust does not leave area where mixing is occurring.
- Limited treatability studies may be required to ensure the rate of amendment/stabilizing agent.

5.2.3 General Disposal

- Existing soil analyticals are present in **Appendix C**.
- Designate generator status as a one-time RCRA Large Quantity Generator.
- Signify the Waste Generator on all documents as the DEQ:

Department of Environmental Quality
707 North Robinson
Oklahoma City, OK 73102
PO Box 1677

5.3 Back Fill

- Place orange netted fence between existing grade prior to backfilling.
- Common fill soil shall consist of a natural loose, friable, fertile, fine, sandy loam possessing the characteristics of representative topsoils of the area.
-
- Common fill soil shall be free of subsoils, noxious weeds, stones larger than 1 inch in diameter, and other deleterious materials.
- Off-site soils shall be tested to ensure they are clean (see **Appendix D** for borrow soil sampling instructions).
- Soils shall be compacted using low ground pressure equipment and shall not to exceed 6 psi.
- Soils shall be placed and graded in such a manner as to match the natural contours of the Site.
- Ensure that existing irrigation system is not damaged.
- An extra ton of topsoil shall be left next to the Site post back fill.

6.0 Post Remedial Activities/Final Report

- Substantial completion shall be determined by DEQ Project Manager.
- Once substantial completion is given, the Final invoice may be submitted.

- Write Final Report and submit to DEQ (electronic copy).
- Final report shall include:
 - A detailed summary of work including any warranties and data;
 - sample results;
 - waste manifests; and
 - photo documentation of work

APPENDIX A

10

Aerial Photograph of Site

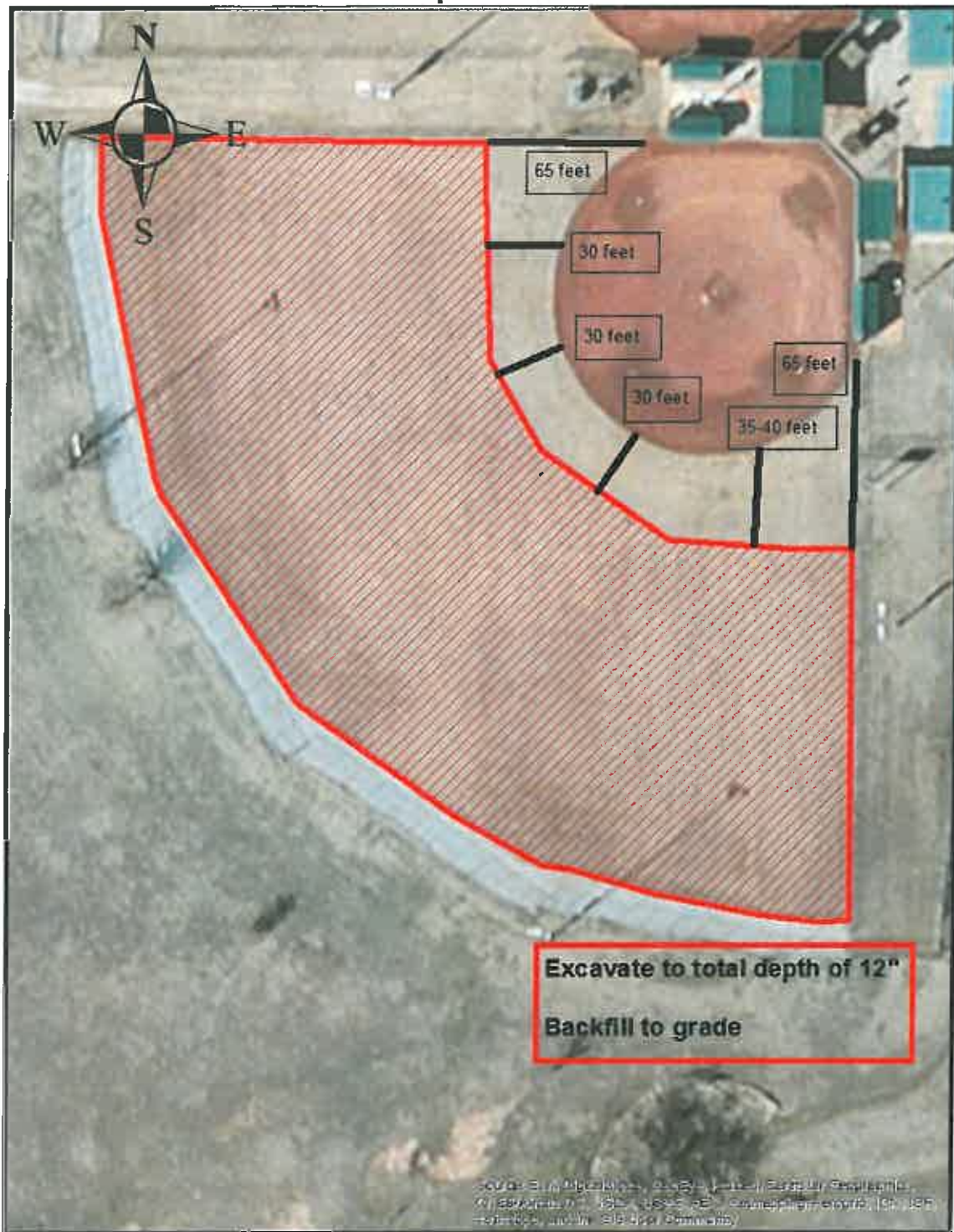


0 280 560 840 Feet SS=Soil Sample

Map created by Brian Starlin
on 8/2/2013.

APPENDIX B

Excavation Map - Sanborn Field# 5



APPENDIX C

Figure 1. Sanborn Softball Fields Sample Locations

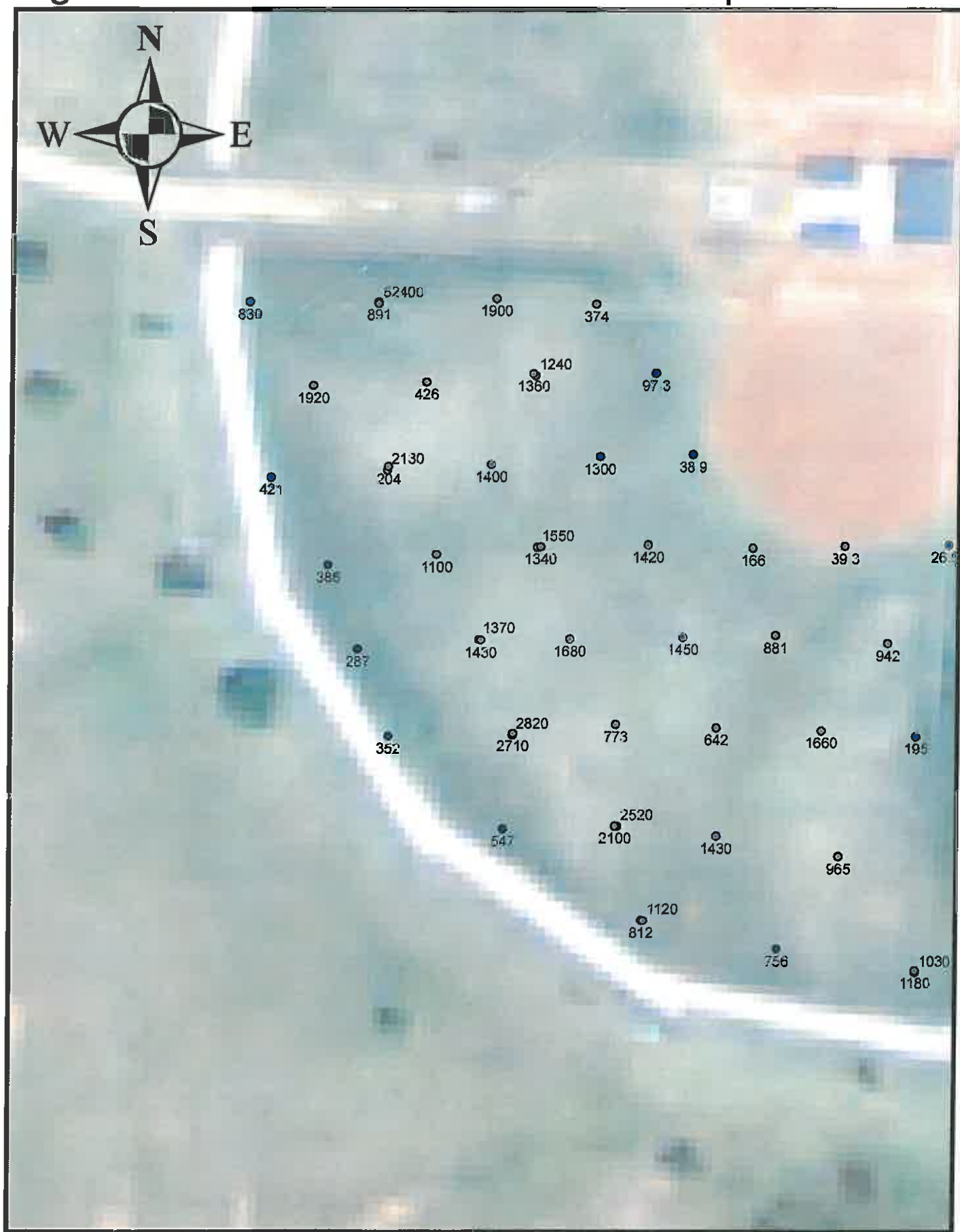
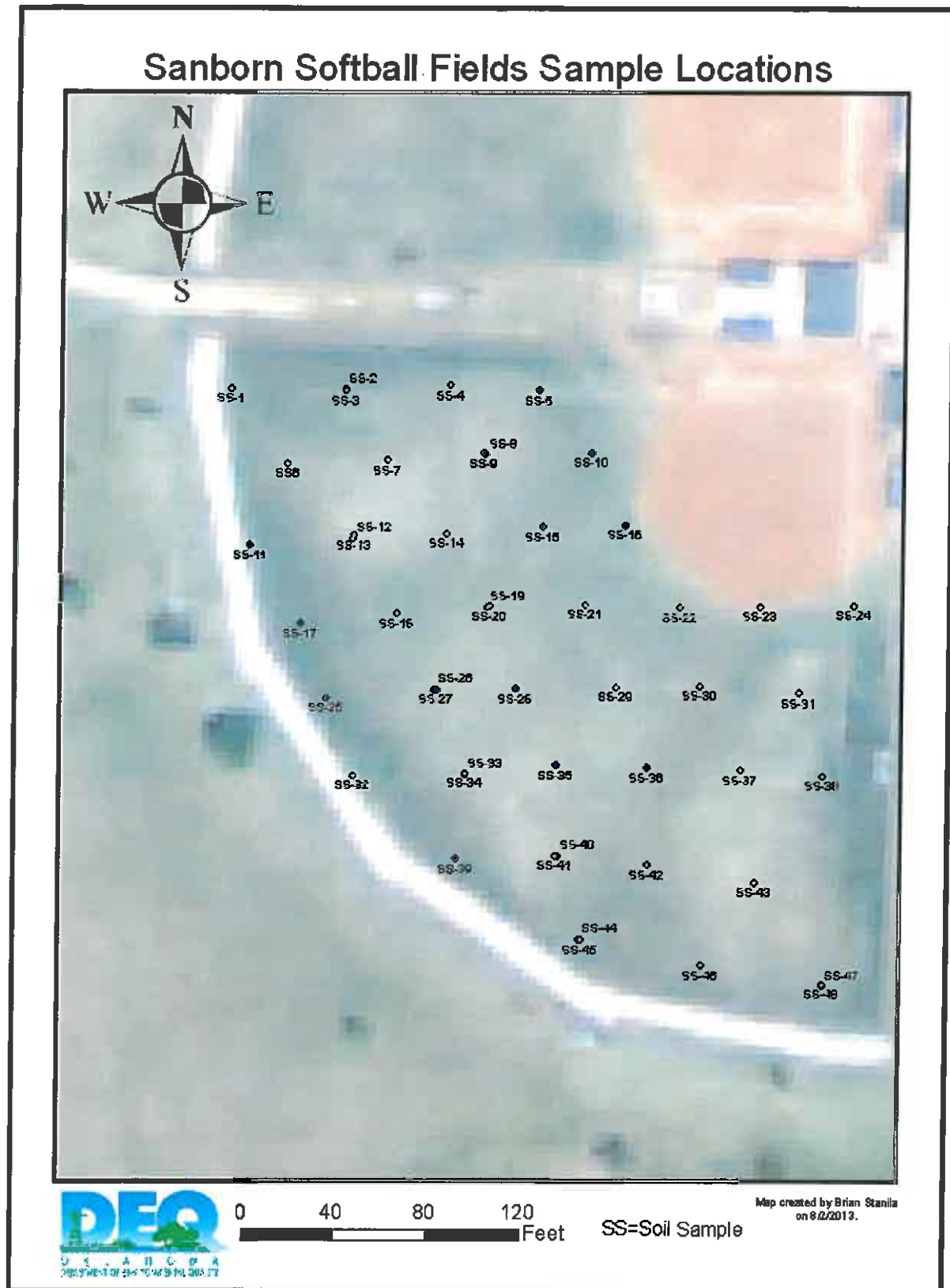


FIGURE 2



Sample Number: 535647
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1301
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or seisd@deq.ok.gov
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		830	MG/KG	03/12/14	6010	3050
% Solids		78.0	%	03/12/14	CLP 05.3	3050

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FIE

SAMPLERS COMMENTS:
SS-1

ANALYST'S COMMENTS:

OT) Other; Sample prepped via EPA 3050.

*

* ANALYST


Greg Goode
State Environmental Laboratory

Sample Number: 535648
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1305
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		891	MG/KG	03/12/14	6010	
% Solids		76.3	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-2

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535649
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1309
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		62400	MG/KG	03/12/14	6010	
% Solids		82.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-3

ANALYST`S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535650
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1316
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1900	MG/KG	03/12/14	6010	
% Solids		78.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-4

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050-5

* ANALYST Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535651
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1320
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

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EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		374	MG/KG	03/12/14	6010	
% Solids		79.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-5

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050

* * ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535652
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1325
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1920	MG/KG	03/12/14	6010	
% Solids		79.1	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-6

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535653
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1333
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		426	MG/KG	03/12/14	6010	
% Solids		80.9	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-7

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* * ANALYST

Craig Goode
Craig Goode
State Environmental Laboratory

Sample Number: 535654
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1340
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1240	MG/KG	03/12/14	6010	
% Solids		80.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-8

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Grey Goode
Grey Goode
State Environmental Laboratory

Sample Number: 535655
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1340
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1360	MG/KG	03/12/14	6010	
% Solids		78.2	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-9

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Craig Goode

Craig Goode
State Environmental Laboratory

Sample Number: 535656
Project Code: SW-SX
Agency Number:
Date Collected: 2/19/2014
Time Collected: 1345
Date Received: 2/19/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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or selsd@deq.ok.gov
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		97.3	MG/KG	03/12/14	6010	
% Solids		84.0	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-10

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535667
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0920
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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OKLAHOMA CITY
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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		421	MG/KG	03/12/14	6010	
% Solids		76.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-11

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535668
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0924
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2130	MG/KG	03/12/14	6010	
% Solids		79.8	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-12

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535669
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0940
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		204	MG/KG	03/12/14	6010	
% Solids		82.9	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-13

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535670
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0928
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1400	MG/KG	03/12/14	6010	
% Solids		78.0	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-14

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535671
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0931
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1300	MG/KG	03/12/14	6010	
% Solids		75.2	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-15

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535672
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0934
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		38.9	MG/KG	03/12/14	6010	
% Solids		92.3	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-16

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535673
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0948
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		386	MG/KG	03/12/14	6010	
% Solids		79.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-17

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535674
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0950
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1100	MG/KG	03/12/14	6010	
% Solids		72.8	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-18

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535675
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0954
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1550	MG/KG	03/12/14	6010	
% Solids		74.3	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-19

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535676
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0954
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1340	MG/KG	03/12/14	6010	
% Solids		77.1	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-20

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535677
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0957
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1420	MG/KG	03/12/14	6010	
% Solids		76.7	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-21

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535678
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1000
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		166	MG/KG	03/12/14	6010	
% Solids		80.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-22

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535679
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1004
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		39.3	MG/KG	03/12/14	6010	
% Solids		89.7	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-23

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535680
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1007
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		26.9	MG/KG	03/12/14	6010	
% Solids		86.9	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-24

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535681
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1014
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		287	MG/KG	03/12/14	6010	
% Solids		78.1	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-25

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535682
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1017
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1370	MG/KG	03/12/14	6010	
% Solids		79.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-26

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535683
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1021
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1430	MG/KG	03/12/14	6010	
% Solids		82.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-27

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535684
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1024
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1680	MG/KG	03/12/14	6010	
% Solids		78.0	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-28

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535685
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1027
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1450	MG/KG	03/12/14	6010	
% Solids		74.9	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

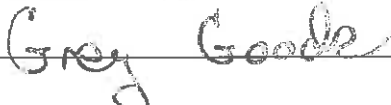
SS-29

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST



Greg Goode
State Environmental Laboratory

Sample Number: 535686
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1030
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		881	MG/KG	03/12/14	6010	
% Solids		72.0	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-30

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* * ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535687
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1033
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		942	MG/KG	03/12/14	6010	
% Solids		77.1	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-31

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535688
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1039
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		352	MG/KG	03/12/14	6010	
% Solids		90.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-32

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535689
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1033
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2820	MG/KG	03/12/14	6010	
% Solids		83.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-33

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535690
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1033
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2710	MG/KG	03/12/14	6010	
% Solids		81.5	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-34

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535691
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1027
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		773	MG/KG	03/12/14	6010	
% Solids		74.3	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-35

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535692
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1023
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		642	MG/KG	03/12/14	6010	
% Solids		73.2	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-36

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535693
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1017
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1660	MG/KG	03/12/14	6010	
% Solids		69.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-37

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535694
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1012
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		195	MG/KG	03/12/14	6010	
% Solids		77.7	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-38

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535695
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1005
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		547	MG/KG	03/12/14	6010	
% Solids		78.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-39

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535696
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0947
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2520	MG/KG	03/12/14	6010	
% Solids		79.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-40

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535697
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0951
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2100	MG/KG	03/12/14	6010	
% Solids		83.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-41

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535698
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0956
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1430	MG/KG	03/12/14	6010	
% Solids		75.2	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-42

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535699
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 1000
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		965	MG/KG	03/12/14	6010	
% Solids		80.8	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-43

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535700
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0940
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		812	MG/KG	03/12/14	6010	
% Solids		83.2	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-44

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535701
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0940
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1120	MG/KG	03/12/14	6010	
% Solids		79.6	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:
SS-45

ANALYST'S COMMENTS:
(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 535702
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0937
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		756	MG/KG	03/12/14	6010	
% Solids		75.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-46

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535703
Project Code: SW-SX
Agency Number:
Date Collected: 2/20/2014
Time Collected: 0926
Date Received: 2/20/2014
Date Completed: 03/14/2014
Collected By: BS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2014

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To: BRIAN STANILA/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		1030	MG/KG	03/12/14	6010	
% Solids		78.4	%	03/12/14	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: SANBORN SOFTBALL FEI

SAMPLERS COMMENTS:

SS-47

ANALYST'S COMMENTS:

(OT) Other; Sample prepped via EPA 3050.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 535704

Project Code: SW-SX

Agency Number:

Date collected: 2/20/2014

Time collected: 0930

Date Received: 2/20/2014

Date Completed: 03/14/2014

Collected By: BS

PWS Id:

Location Code:

Station:

Facility:

Report Date: 3/14/2014

TO: BRIAN STANILIA/LPD

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EPA Drinking Water Certification #OK00013

Summary

Labs performing analysis on this sample:
Metals

SOURCE: SANBORN SOFTBALL FFI

SAMPLERS COMMENTS:

SS-48

ANALYST'S COMMENTS:

(OT) Other; sample prepped via EPA 3050.

* ANALYST

Greg Goode

State Environmental Laboratory

APPENDIX D

Borrow Soil Sampling Recommendations

November 2013

1. Objective

Contaminated sites will have locations that need to have either contaminated media removed or covered up. The soil used for replacing the removed media or covering up the contaminated media must be clean to ensure successful revegetation and to protect the public from coming in contact with contamination. This document describes the sampling procedures recommended by the Oklahoma Department of Environmental Quality (DEQ) to be followed for all proposed borrow soil sources.

2. Method Summary

Soil samples may be collected using a variety of methods and equipment depending on the depth of the desired sample, the type of sample required, and the soil type (Ref 1). Near-surface soils may be easily sampled using a spade, trowel, and scoop. Sampling at greater depths may be performed using a hand auger, continuous flight auger, a trier, a split-spoon, or, if required, a backhoe. Sampling methods should follow methods described in a project specific DEQ approved Quality Assurance Project Plan (QAPP) and Standard Operating Procedures (SOPs).

3. Quality Control and Quality Assurance

All sampling activities should follow procedures and methods described in a project specific DEQ approved QAPP and SOPs.

4. Borrow Area Sampling

4.1. Sample Area Preparation

- i. For soil that has not been disturbed. The area for source material should be divided into parcels of approximately 2 acres.
 - a. If soil borings are to be excavated, then four borings to the depth of the soil to be removed should be selected and placed evenly over every 2 acre area. The composite sample will be over the entire depth of the sample. The 4 borings from each grid should be composited together to form 1 composite sample per 2 acres grid.
 - b. If the area to be sampled is gridded then sampling grids of 50 ft by 50 ft should be established within the parcels.
- ii. A 5 point composite should be taken in each sampling grid. Use stakes, flagging, or buoys to identify and mark all sampling locations. Composite samples include the corners and the center for each sampling grid.

- iii. Carefully remove the top layer of soil or debris to the desired sample depth with a pre-cleaned sampling device prior to sample collection.
- iv. Samples should be taken at two different intervals depending on the depth of excavation. Shallow samples consist of those at 3-24 in and deep samples of 24-48 in.
- v. For soil that has already been stockpiled. Two composite samples should be collected from a stockpile of 20,000 cubic yard. If the stockpile is greater than 20,000 cubic yards then an additional two composite samples will need to be taken. Each composite sample should be made up of at least 5 aliquots.

4.2.Sample collection

- i. Volatile Organic Compounds (VOCs) sample collection should be discussed by DEQ and described in approved QAPPs and SOPs.
- ii. Other samples should be collected after proper mixing for each composite. Samples should be taken in appropriate jars following recommendations depending on the analysis needed and laboratory requirements. Required analyses are listed below.

4.3.Decontamination Procedures

If non-dedicated equipment is used to collect soil samples, the equipment should be decontaminated following procedures described in project specific DEQ approved QAPPs and SOPs.

4.4.Required Analyses

Samples should be analyzed following approved U.S. Environmental Protection Agency (EPA) Methods as described in the DEQ approved project QAPP. Analyses must include the following:

- a) Volatile organic compounds (VOCs)
- b) Semi-volatile organic compound (SVOCs)
- c) RCRA metal list
- d) Pesticides
- e) Herbicides, and
- f) PCBs.

4.5.Approval

Soil analytical results will be compared to the EPA Regional Screening Levels (Formerly HHMSSL – Human Health Medium-specific Screening Levels) located at http://www.epa.gov/earth1r6/6pd/rcra_c/pd-n/screen.htm and not the cleanup levels generated for the site.

Sample results should be submitted to DEQ for approval prior to excavation and use of borrow material.

5. References

1. Environmental Response Team EPA SOP #2012: <http://www.ert.org/products/2012.pdf>
2. Environmental Response Team EPA SOP #2006: Sampling Equipment Decontamination. <http://www.ert.org/products/2006.PDF>

Final Remediation Reports



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Eric Standridge
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405-601-0177 (Fax)
eric@boomerenvironmental.com

Prepared for:
Oklahoma Department of Environmental Quality

Sanborn Softball Field Lead Remediation

On February 29, 2016 Boomer Environmental LLC mobilized equipment and labor to the Sanborn Softball field complex. Upon arrival the utilities were located prior to any excavation, and the site was secured with safety fence and caution signs. Boomer Environmental brought in 300 tons of fly ash to stabilize the soil. The fly ash was blended in using the rippers on a dozer and then tilled in using the tiller attachment on a skid steer. Once the area was tilled in samples were taken and sent to Environmental Testing Inc. for TCLP Lead. Three composite samples were taken, #1 right field, #2 center field and #3 left field. The results showed that center field come back stabilized and left field was 16 ppm and right field was 13.5 ppm. Boomer Environmental went back to re till the area. An additional 120 cyd of clean soil was brought in to help give the fly ash some body so that it would lay down and mix with the lead impacted soil. After the area was tilled again, left field (sample #3A) and right field (sample #1A) were sampled and taken to Environmental Testing Inc.. The analytical results come back with right field 0.234 ppm and left field less than 0.100 ppm. The soil was then excavated down to a depth of 12" and pushed into a loading pile in the left field area. The waste stream was profiled as stabilized soil into Republic landfill in Stillwater, OK under approval #4182165540. On April 25, 2016 stabilized soil was loaded into dump trucks and hauled to the Republic landfill in Stillwater. The disposal of the soil was completed on April 26, 2016, for a total of 946.51 tons. After the stabilized soil was hauled off, Boomer Environmental laid orange safety fence on the floor of the excavated area to serve as an indicator for future reference. Backfill was then brought in to the site to set the field back to grade. The common fill was brought in from a site provided by the City of Stillwater. As the common fill was brought in to the softball field, the common fill was compacted in 4" lifts. After the common fill was brought up to 8", a 4" layer of top soil was brought in and finished to grade. After the dirt work was complete, Boomer Environmental removed all debris/trash associated with the project, removed all caution signs/safety fence and put preexisting fence back up. All work has been completed as of May 17, 2016.

Sincerely,

A handwritten signature in blue ink, appearing to read "E. Standridge", is written over the name Eric Standridge.

Eric Standridge

Laboratory Analytical Report



**ENVIRONMENTAL
TESTING, INC.**

4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

17 March 2016

Mr. Eric Standridge

Boomer Environmental

2800 SE 29th

Oklahoma City, OK 73129

WO: E6C0047

RE: ODEQ - Sanborn Softball Field

Enclosed are the results of analyses for samples received by the laboratory on 03/02/16 11:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Russell Britten

President

Original



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Oklahoma City, OK 73118
405.488.2400 Phone
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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Stabilized Soil Site #1
E6C0047-01 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

TCLP Extraction by EPA 1311

TCLP Extraction	Completed		N/A		EEC0106	LSB	03/02/16 19:00	EPA 1311	
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TCLP Metals by 6000/7000 Series Methods

Lead	16.0	0.100	mg/L	1	EEC0104	LSB	03/04/16 12:53	EPA 6010C	
Metals Digestion	Completed		N/A		EEC0104	LSB	03/03/16 18:30	EPA 3010A	

Environmental Testing, Inc.

Russell Britten, President

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Original
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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Stabilized Soil Site #2

E6C0047-02 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

TCLP Extraction by EPA 1311

TCLP Extraction	Completed		N/A		EEC0105	LSB	03/02/16 19:00	EPA 1311	
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TCLP Metals by 6000/7000 Series Methods

Lead	<0.100	0.100	mg/L	I	EEC0103	LSB	03/04/16 12:46	EPA 6010C	
Metals Digestion	Completed		N/A		EEC0103	LSB	03/03/16 18:30	EPA 3010A	

Environmental Testing, Inc.

Russell Britten, President

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Original
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2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Stabilized Soil Site #3

E6C0047-03 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

TCLP Extraction by EPA 1311

TCLP Extraction	Completed		N/A		EEC0106	LSB	03/02/16 19:00	EPA 1311	
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TCLP Metals by 6000/7000 Series Methods

Lead	13.5	0.100	mg/L	1	EEC0104	LSB	03/04/16 13:13	EPA 6010C	
Metals Digestion	Completed		N/A		EEC0104	LSB	03/03/16 18:30	EPA 3010A	

Environmental Testing, Inc.

Russell Britten, President

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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Common Fill Site # 1 & #2
E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

Metals by EPA 6000/7000 Series Methods

Silver	<0.996	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Arsenic	3.75	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Barium	132	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Cadmium	<0.996	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Chromium	11.6	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Lead	9.33	0.996	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Selenium	<1.99	1.99	mg/Kg	0.996	EEC0133	LSB	03/07/16 14:19	EPA 6010C	
Mercury	<0.0201	0.0201	mg/Kg	1.01	EEC0203	LSB	03/09/16 14:53	EPA 7471B	
Metals Digestion	Completed		N/A		EEC0133	LSB	03/05/16 09:00	EPA 3050B	
Mercury Digestion	Completed		N/A		EEC0203	LSB	03/09/16 11:00	EPA 7471B	

Organochlorine Pesticides by EPA Method 8081

alpha-BHC	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
beta-BHC	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
gamma-BHC (Lindane)	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
delta-BHC	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Heptachlor	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Aldrin	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Heptachlor epoxide	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Endosulfan I	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
4,4'-DDE	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Dieldrin	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Endrin	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Endosulfan II	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
4,4'-DDD	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Endrin aldehyde	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Endosulfan sulfate	<1.20	1.20	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
4,4'-DDT	<2.40	2.40	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Endrin ketone	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Methoxychlor	<1.80	1.80	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Chlordane (tech)	<6.00	6.00	ug/Kg	1.2	EEC0154	CDH	03/09/16 08:44	EPA 8081B	
Toxaphene	<48.0	48.0	ug/Kg	1.2	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Surrogate: Decachlorobiphenyl		99 %		1.04-155	EEC0154	CDH	03/08/16 19:22	EPA 8081B	
Soxhlet Extraction	Completed		N/A		EEC0154	FJM	03/08/16 12:55	EPA 3540C	

Environmental Testing, Inc.

Russell Britten, President

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Original
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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Common Fill Site # 1 & #2
E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

Polychlorinated Biphenyls by EPA Method 8082

Aroclor 1016	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1221	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1232	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1242	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1248	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1254	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Aroclor 1260	<40.0	40.0	ug/Kg	1	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Surrogate: Decachlorobiphenyl		90 %		1.04-155	EEC0154	CDH	03/08/16 19:22	EPA 8082 A
Soxhlet Extraction	Completed		N/A		EEC0154	FJM	03/08/16 12:55	EPA 3540C

Volatile Organic Compounds by EPA Method 8260

Dichlorodifluoromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Chloromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Vinyl chloride	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Bromomethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Chloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Trichlorofluoromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Acrolein	<100	100	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1-Dichloroethene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Acetone	<100	100	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Iodomethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Carbon disulfide	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Methylene chloride	<225	225	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Acrylonitrile	<100	100	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Methyl tert-butyl ether (MTBE)	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
trans-1,2-Dichloroethene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Vinyl acetate	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1-Dichloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
2-Butanone (MEK)	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
cis-1,2-Dichloroethene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
2,2-Dichloropropane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Bromochloromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Chloroform	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1,1-Trichloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1-Dichloropropene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Carbon tetrachloride	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Benzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2-Dichloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B

Environmental Testing, Inc.

Russell Britten, President

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2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Common Fill Site # 1 & #2
E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

Volatile Organic Compounds by EPA Method 8260

Trichloroethene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2-Dichloropropane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Dibromomethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Bromodichloromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
2-Chloroethylvinyl ether	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
cis-1,3-Dichloropropene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
4-Methyl-2-pentanone (MIBK)	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Toluene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
trans-1,3-Dichloropropene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1,2-Trichloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Tetrachloroethene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
2-Hexanone	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,3-Dichloropropane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Dibromochloromethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Chlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2-Dibromoethane (EDB)	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Ethylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1,1,2-Tetrachloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
m+p-Xylene	<50.0	50.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
o-Xylene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Styrene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Bromoform	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Isopropylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,1,2,2-Tetrachloroethane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
trans-1,4-Dichloro-2-butene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2,3-Trichloropropane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Bromobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
n-Propylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
2-Chlorotoluene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,3,5-Trimethylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
4-Chlorotoluene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
4-Isopropyltoluene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
tert-Butylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2,4-Trimethylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
sec-Butylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,3-Dichlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,4-Dichlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
n-Butylbenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B

Environmental Testing, Inc.

Russell Britten, President

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Project Manager: Mr. Eric Standridge

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03/17/16 08:45

Common Fill Site # 1 & #2
E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

Volatile Organic Compounds by EPA Method 8260

1,2-Dichlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2-Dibromo-3-chloropropane	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2,4-Trichlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Hexachlorobutadiene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Naphthalene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
1,2,3-Trichlorobenzene	<25.0	25.0	ug/Kg	1	EEC0070	DMB	03/04/16 19:44	EPA 8260B
Surrogate: Dibromofluoromethane		88 %	75-126	EEC0070	DMB	03 04 16 19:44	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		95 %	72.9-125	EEC0070	DMB	03 04 16 19:44	EPA 8260B	
Surrogate: Toluene-d8		100 %	81.4-115	EEC0070	DMB	03 04 16 19:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		99 %	64.6-146	EEC0070	DMB	03 04 16 19:44	EPA 8260B	

Semivolatile Organic Compounds by EPA Method 8270

n-Nitrosodimethylamine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Pyridine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Phenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Bis(2-chloroethyl)ether	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2-Chlorophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
1,3-Dichlorobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
1,4-Dichlorobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
1,2-Dichlorobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2-Methylphenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Bis(2-chloroisopropyl)ether	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
n-Nitrosodi-n-propylamine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4-Methylphenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Hexachloroethane	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Nitrobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Isophorone	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2-Nitrophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4-Dimethylphenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Bis(2-chloroethoxy)methane	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4-Dichlorophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
1,2,4-Trichlorobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Naphthalene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Hexachlorobutadiene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4-Chloro-3-methylphenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Hexachlorocyclopentadiene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4,6-Trichlorophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4,5-Trichlorophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PTW) MRG_rev0.31



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Common Fill Site # 1 & #2
E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	------------

Environmental Testing, Inc.

Semivolatile Organic Compounds by EPA Method 8270

2-Chloronaphthalene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Dimethyl phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,6-Dinitrotoluene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Acenaphthylene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Acenaphthene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4-Dinitrophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4-Nitrophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
2,4-Dinitrotoluene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Diethyl phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Fluorene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4-Chlorophenyl phenyl ether	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4,6-Dinitro-2-methylphenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
n-Nitrosodiphenylamine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
4-Bromophenyl phenyl ether	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Hexachlorobenzene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Pentachlorophenol	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Phenanthrene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Anthracene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Di-n-butyl phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Fluoranthene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzidine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Pyrene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Butyl benzyl phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzo(a)anthracene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
3,3'-Dichlorobenzidine	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Chrysene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Bis(2-ethylhexyl)phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Di-n-octyl phthalate	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzo(b)fluoranthene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzo(k)fluoranthene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzo(a)pyrene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Indeno(1,2,3-cd)pyrene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Dibenz(a,h)anthracene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Benzo(g,h,i)perylene	<400	400	ug/Kg	1	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Surrogate: 2-Fluorophenol	52 %	1-116	EEC0158	CDH	03/08/16 12:17	EPA 8270D		
Surrogate: Phenol-d5	60 %	19.8-107	EEC0158	CDH	03/08/16 12:17	EPA 8270D		
Surrogate: Nitrobenzene-d5	57 %	1-110	EEC0158	CDH	03/08/16 12:17	EPA 8270D		
Surrogate: 2-Fluorobiphenyl	59 %	18.3-108	EEC0158	CDH	03/08/16 12:17	EPA 8270D		

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) MRD_030311



4619 N. Santa Fe
Oklahoma City, OK 73118
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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Common Fill Site # 1 & #2

E6C0047-04 (Solid) - Sampled: 03/01/16 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
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Environmental Testing, Inc.

Semivolatile Organic Compounds by EPA Method 8270

Surrogate: 2,4,6-Tribromophenol	73 %	22-122	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Surrogate: Terphenyl-d14	87 %	1-171	EEC0158	CDH	03/08/16 12:17	EPA 8270D
Soxhlet Extraction	Completed	N/A	EEC0158	FJM	03/08/16 10:47	EPA 3540C

Environmental Testing, Inc.

Russell Britten, President

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Report Page 1 of 8

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LEIAP-accredited #02008

Employee Owned

Integrity

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Page 1 of 1

Report

Report To

Environmental Testing
Russell Britten
4619 N. Santa Fe
Oklahoma City, OK 73118-

Table of Contents

Account

ETRB -K

Project

731965

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
731965_r03_03_ProjectResults	Ana-Lab Project P:731965 C:ETRB Project Results	2
731965_r10_05_ProjectQC	Ana-Lab Project P:731965 C:ETRB Project Quality Control Groups	3
731965_r99_09_CoC__I_of_I	Ana-Lab CoC ETRB 731965_I_of_I	2
Total Pages:		7

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NELAP-accredited #T104704201



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Report Page 2 of 8

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Page 1 of 2

Results

Report To

Environmental Testing
Russell Britten
4619 N. Santa Fe
Oklahoma City, OK 73118-

Account
ETRB-K

Project
731965

Results

Parameter	Results	Units	RL	Flags	MAL	CAS	Bottle
1472276 E6C0047-4	Received: 03/04/2016						
olid & Chemical Material	Collected by: Client	Affiliation: Environmental Testin	03/01/2016	13:00:00			

Prepared: 051314		03/09/2016		09:00:00			
EPA 8151A	Analyzed	EMT 03/11/2016	16:17:00	QCgroup	652368		
N 2,4 Dichlorophenoxyacetic acid	<250	ug/kg	250	D	2630	94-75-7	02
N 2,4,5-T	<250	ug/kg	250	XD		93-76-5	02
N 2,4,5-TP (Silvex)	<250	ug/kg	250	XD	5300	93-72-1	02
Z 2,4-DB	<250	ug/kg	250			94-82-6	02
Z Acifluorfen	<250	ug/kg	250				02
Z Bentazon	<250	ug/kg	250	D			02
Z Chloramben	<250	ug/kg	250	XPD			02
N Dalapon (dichloropropionic acid)	<500	ug/kg	500	XD		75-99-0	02
Z DCPA Mono & DI acid Degradates	<250	ug/kg	250	D			02
N Dicamba	<250	ug/kg	250	XD	1470	1918-00-9	02
Z Dichloroprop	<250	ug/kg	250	D		120-36-5	02
N Dinoseb	<250	ug/kg	250	D	350	88-85-7	02
Z Pentachlorophenol	<250	ug/kg	250	XD	18.3	87-86-5	02
N Picloram	<250	ug/kg	250	D		1918-02-1	02

Sample Preparation

1472276		E6C0047-4		Received: 03/04/2016			
		Prepared:	651314	03/09/2016	09:00:00		
EPA 8151A			Analyzed	EMT 03/11/2016	16:17:00	QCgroup	652368
z	Chlorinated Herbicides	Entered					02
		Prepared:	651314	03/09/2016	09:00:00		
EPA 8151A mod			Analyzed	SIC 03/09/2016	09:00:00	QCgroup	651314
N	ESRS Extract w/ 1 ml of 515 Spik	10/2	grams				01

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Report Page 3 of 8

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Page 2 of 2

Results

Qualifiers:

D - Duplicate RPD was higher than expected
X - Standard reads higher than desired.

P - Spike recovery outside control limits due to matrix effects.

We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, US Department of Agriculture Soil Import Permit S-37592, Texas Commission on Environmental Quality Drinking Water Laboratory Certificate TX219, Texas Commission on Environmental Quality NELAP T104704201, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365. The Accredited column designates accreditation by N -- NELAC, or Z -- not covered under NELAC scope of accreditation.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RI is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Paul Zhang, Ph.D., Quality Director



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Oklahoma Region: 1824 Atchison Suite F Norman OK 73069



NELAP-accredited #T104704201



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Report Page 4 of 8

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Quality Control

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Page 1 of 3

Report To:

Environmental Testing
Russell Britten
4619 N. Santa Fe
Oklahoma City, OK 73118-

SOLID

Account
ETRB -K

Project
731965

652368 Solid & Chemical Materials

EPA 8151A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	651314	ND	46.9	250	ug/kg	116349919
2,4,5-T	651314	ND	250	250	ug/kg	116349919
2,4,5-TP (Silvex)	651314	ND	14.9	250	ug/kg	116349919
2,4-DB	651314	ND	50.0	250	ug/kg	116349919
Acifluorfen	651314	ND	50.0	250	ug/kg	116349919
Bentazon	651314	ND	100	250	ug/kg	116349919
Chloramben	651314	ND	0.100	0.500	ug/kg	116349919
Dalapon (dichloropropionic acid)	651314	ND	250	500	ug/kg	116349919
DCPA Mono & Di acid Degradates	651314	ND	50.0	250	ug/kg	116349919
Dicamba	651314	ND	250	250	ug/kg	116349919
Dichloroprop	651314	ND	50.0	250	ug/kg	116349919
Dinoseb	651314	ND	50.0	250	ug/kg	116349919
Pentachlorophenol	651314	ND	50.0	250	ug/kg	116349919
Picloram	651314	ND	50.0	250	ug/kg	116349919

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
2,4 Dichlorophenoxyacetic acid	184	150	ug/kg	123	75.0 - 125		116349918
2,4 Dichlorophenoxyacetic acid	171	150	ug/kg	114	75.0 - 125		116349925
2,4,5-T	200	150	ug/kg	133	75.0 - 125	*	116349918
2,4,5-T	195	150	ug/kg	130	75.0 - 125	*	116349925
2,4,5-TP (Silvex)	189	150	ug/kg	126	75.0 - 125	*	116349918
2,4,5-TP (Silvex)	181	150	ug/kg	121	75.0 - 125		116349925
Bentazon	147	150	ug/kg	98.0	75.0 - 125		116349918
Bentazon	147	150	ug/kg	98.0	75.0 - 125		116349925
Chloramben	195	150	ug/kg	130	75.0 - 125	*	116349918
Chloramben	189	150	ug/kg	126	75.0 - 125	*	116349925
Dalapon (dichloropropionic acid)	196	150	ug/kg	131	75.0 - 125	*	116349918
Dalapon (dichloropropionic acid)	186	150	ug/kg	124	75.0 - 125		116349925
DCPA Mono & Di acid Degradates	180	150	ug/kg	120	75.0 - 125		116349918
DCPA Mono & Di acid Degradates	179	150	ug/kg	119	75.0 - 125		116349925
Dicamba	193	150	ug/kg	129	75.0 - 125	*	116349918
Dicamba	190	150	ug/kg	127	75.0 - 125	*	116349925
Dichloroprop	182	150	ug/kg	121	75.0 - 125		116349918
Dichloroprop	177	150	ug/kg	118	75.0 - 125		116349925
Dinoseb	180	150	ug/kg	120	75.0 - 125		116349918

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Quality Control

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Page 2 of 3

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Dinoseb	171	150	ug/kg	114	75.0 - 125		116349925
Pentachlorophenol	222	150	ug/kg	148	75.0 - 125	*	116349918
Pentachlorophenol	196	150	ug/kg	131	75.0 - 125	*	116349925
Picloram	171	150	ug/kg	114	75.0 - 125		116349918
Picloram	173	150	ug/kg	115	75.0 - 125		116349925

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
2,4 Dichlorophenoxyacetic acid	651314	409	500	ug/kg	81.8	0.100 - 213	116349920	
2,4,5-T	651314	269	500	ug/kg	53.8	10.0 - 150	116349920	
2,4,5-TP (Silvex)	651314	270	500	ug/kg	54.0	0.100 - 210	116349920	
Bentazon	651314	183	500	ug/kg	36.6	10.0 - 150	116349920	
Chloramben	651314	0.438	1.00	ug/kg	43.8	10.0 - 150	116349920	
Dalapon (dichloropropionic acid)	651314	589	500	ug/kg	118	10.0 - 150	116349920	
DCPA Mono & Di acid	651314	222	500	ug/kg	44.4	10.0 - 150	116349920	
Degradates								
Dicamba	651314	255	500	ug/kg	51.0	10.0 - 150	116349920	
Dichloroprop	651314	374	500	ug/kg	74.8	10.0 - 150	116349920	
Dinoseb	651314	165	500	ug/kg	33.0	10.0 - 150	116349920	
Pentachlorophenol	651314	232	500	ug/kg	46.4	10.0 - 150	116349920	
Picloram	651314	193	500	ug/kg	38.6	10.0 - 150	116349920	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	651314	409	556	500	0.100 - 213	81.8	111	ug/kg	30.3 *	30.0
2,4,5-T	651314	269	380	500	10.0 - 150	53.8	76.0	ug/kg	34.2 *	30.0
2,4,5-TP (Silvex)	651314	270	380	500	0.100 - 210	54.0	76.0	ug/kg	33.8 *	30.0
Bentazon	651314	183	320	500	10.0 - 150	36.6	64.0	ug/kg	54.5 *	30.0
Chloramben	651314	0.438	0.695	1.00	10.0 - 150	43.8	69.5	ug/kg	45.4 *	30.0
Dalapon (dichloropropionic acid)	651314	589	438	500	10.0 - 150	118	87.6	ug/kg	29.6	30.0
DCPA Mono & Di acid	651314	222	321	500	10.0 - 150	44.4	64.2	ug/kg	36.5 *	30.0
Degradates										
Dicamba	651314	255	360	500	10.0 - 150	51.0	72.0	ug/kg	34.1 *	30.0
Dichloroprop	651314	374	455	500	10.0 - 150	74.8	91.0	ug/kg	19.5	30.0
Dinoseb	651314	165	326	500	10.0 - 150	33.0	65.2	ug/kg	65.6 *	30.0
Pentachlorophenol	651314	232	332	500	10.0 - 150	46.4	66.4	ug/kg	35.5 *	30.0
Picloram	651314	193	294	500	10.0 - 150	38.6	58.8	ug/kg	41.5 *	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1472276	224	0	ND	500	10.0 - 212	44.8		ug/kg		30.0
2,4,5-T	1472276	132	0	ND	500	10.0 - 150	26.4		ug/kg		30.0
2,4,5-TP (Silvex)	1472276	129	0	ND	500	10.0 - 200	25.8		ug/kg		30.0
Bentazon	1472276	87.4	0	ND	500	10.0 - 150	17.5		ug/kg		30.0
Chloramben	1472276	63.2	0	0.595	500	10.0 - 150	12.5		ug/kg		30.0
Dalapon (dichloropropionic acid)	1472276	107	0	ND	500	10.0 - 150	21.4		ug/kg		30.0
DCPA Mono & Di acid	1472276	97.7	0	ND	500	10.0 - 150	19.5		ug/kg		30.0
Degradates											





Quality Control

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Page 3 of 3

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Dicamba	1472276	131	0	ND	500	10.0 - 150	26.2		ug/kg		30.0
Dichloroprop	1472276	161	0	82.7	500	10.0 - 150	32.2		ug/kg		30.0
Dinoseb	1472276	93.1	0	ND	500	10.0 - 150	18.6		ug/kg		30.0
Pentachlorophenol	1472276	90.3	0	ND	500	10.0 - 150	18.1		ug/kg		30.0
Picloram	1472276	71.0	0	ND	500	10.0 - 150	14.2		ug/kg		30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4-Dichlorophenoxyacetic acid	1472276	224	208	ND	500	10.0 - 212	44.8	41.6	ug/kg	7.41	30.0
2,4,5-T	1472276	132	105	ND	500	10.0 - 150	26.4	21.0	ug/kg	22.8	30.0
2,4,5-TP (Silvex)	1472276	129	98.2	ND	500	10.0 - 200	25.8	19.6	ug/kg	27.1	30.0
Bentazon	1472276	87.4	60.9	ND	500	10.0 - 150	17.5	12.2	ug/kg	35.7 *	30.0
Chloramben	1472276	63.2	47.4	0.595	500	10.0 - 150	12.5	9.36 *	ug/kg	28.9	30.0
Delapron (dichloropropionic acid)	1472276	107	269	ND	500	10.0 - 150	21.4	53.8	ug/kg	86.2 *	30.0
DCCA Mono & Di acid	1472276	97.7	88.1	ND	500	10.0 - 150	19.5	17.6	ug/kg	10.3	30.0
Degradates											
Dicamba	1472276	131	106	ND	500	10.0 - 150	26.2	21.2	ug/kg	21.1	30.0
Dichloroprop	1472276	161	370	82.7	500	10.0 - 150	15.7	57.5	ug/kg	114 *	30.0
Dinoseb	1472276	93.1	56.4	ND	500	10.0 - 150	18.6	11.3	ug/kg	49.1 *	30.0
Pentachlorophenol	1472276	90.3	57.8	ND	500	10.0 - 150	18.1	11.6	ug/kg	43.9 *	30.0
Picloram	1472276	71.0	61.6	ND	500	10.0 - 150	14.2	12.3	ug/kg	14.2	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid	651314	Blank	53.7	100	ug/kg	53.7	20.0 - 160	116349919
2,4-Dichlorophenylacetic Acid	651314	LCS	61.3	100	ug/kg	61.3	20.0 - 160	116349920
2,4-Dichlorophenylacetic Acid	651314	LCS Dup	86.4	100	ug/kg	86.4	20.0 - 160	116349921
2,4-Dichlorophenylacetic Acid	1472276	UNKNOWN208		500	ug/kg	41.6	20.0 - 160	116349922
2,4-Dichlorophenylacetic Acid	1472276	MS	105	500	ug/kg	21.0	20.0 - 160	116349923
2,4-Dichlorophenylacetic Acid	1472276	MSD	80.4	500	ug/kg	16.1 *	20.0 - 160	116349924

RPD is Relative Percent Difference: $\frac{\text{abs}(r1-r2)}{\text{mean}(r1,r2)} * 100\%$ Recover% is Recovery Percent: $\frac{\text{result}}{\text{known}} * 100\%$

Blank - Method Blank; LCS - Laboratory Control Sample; CCV - Continuing Calibration Verification; MS - Matrix Spike



Page 17 of 42

1
2
3
4

2 of 2

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Boomer Environmental 2800 SE 29th Oklahoma City OK, 73129	Project: ODEQ - Sanborn Softball Field Project Number: 1303012591 Project Manager: Mr. Eric Standridge	Reported: 03/17/16 08:45
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Metals by EPA 6000/7000 Series Methods - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0133 - EPA 3050

Blank (EEC0133-BLK1)

Prepared: 03/05/16 Analyzed: 03/07/16

Arsenic	<1.00	1.00	mg/Kg
Barium	<1.00	1.00	mg/Kg
Cadmium	<1.00	1.00	mg/Kg
Chromium	<1.00	1.00	mg/Kg
Lead	<1.00	1.00	mg/Kg
Silver	<1.00	1.00	mg/Kg
Selenium	<2.00	2.00	mg/Kg
Metals Digestion	Completed		N/A

LCS (EEC0133-BS1)

Prepared: 03/05/16 Analyzed: 03/07/16

Arsenic	48.0	1.00	mg/Kg	50.0	96	80-120
Barium	49.1	1.00	mg/Kg	50.0	98	80-120
Cadmium	49.6	1.00	mg/Kg	50.0	99	80-120
Chromium	49.8	1.00	mg/Kg	50.0	100	80-120
Lead	49.2	1.00	mg/Kg	50.0	98	80-120
Silver	51.3	1.00	mg/Kg	50.0	103	80-120
Selenium	46.3	2.00	mg/Kg	50.0	93	80-120
Metals Digestion	Completed		N/A			

Duplicate (EEC0133-DUP1)

Source: E6C0047-04

Prepared: 03/05/16 Analyzed: 03/07/16

Arsenic	4.54	1.00	mg/Kg	3.75	19	20	
Barium	158	1.00	mg/Kg	132	18	20	
Cadmium	0.500	1.00	mg/Kg	ND	200	20	R-01
Chromium	12.4	1.00	mg/Kg	11.6	6	20	
Lead	14.6	1.00	mg/Kg	9.33	44	20	R-01
Silver	<1.00	1.00	mg/Kg	ND		20	
Selenium	<2.00	2.00	mg/Kg	ND		20	
Metals Digestion	Completed		N/A				

Environmental Testing, Inc.

Russell Britten, President

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2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Metals by EPA 6000/7000 Series Methods - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0133 - EPA 3050

Matrix Spike (EEC0133-MS1)

Source: E6C0047-04

Prepared: 03/05/16 Analyzed: 03/07/16

Arsenic	44.7	0.988	mg/Kg	49.4	3.75	83	75-125			
Barium	149	0.988	mg/Kg	49.4	132	34	75-125			M-01
Cadmium	41.3	0.988	mg/Kg	49.4	ND	84	75-125			
Chromium	57.0	0.988	mg/Kg	49.4	11.6	92	75-125			
Lead	51.1	0.988	mg/Kg	49.4	9.33	85	75-125			
Silver	44.1	0.988	mg/Kg	49.4	ND	89	75-125			
Selenium	34.0	1.98	mg/Kg	49.4	ND	69	75-125			M-01
Metals Digestion	Completed		N/A							

Matrix Spike Dup (EEC0133-MSD1)

Source: E6C0047-04

Prepared: 03/05/16 Analyzed: 03/07/16

Arsenic	43.3	0.984	mg/Kg	49.2	3.75	80	75-125	3	20	
Barium	149	0.984	mg/Kg	49.2	132	35	75-125	0.5	20	M-01
Cadmium	40.6	0.984	mg/Kg	49.2	ND	82	75-125	2	20	
Chromium	56.1	0.984	mg/Kg	49.2	11.6	90	75-125	2	20	
Lead	50.0	0.984	mg/Kg	49.2	9.33	83	75-125	2	20	
Silver	43.1	0.984	mg/Kg	49.2	ND	88	75-125	2	20	
Selenium	33.1	1.97	mg/Kg	49.2	ND	67	75-125	3	20	M-01
Metals Digestion	Completed		N/A							

Batch EEC0203 - EPA 7471

Blank (EEC0203-BLK1)

Prepared & Analyzed: 03/09/16

Mercury	<0.0200	0.0200	mg/Kg							
Mercury Digestion	Completed		N/A							

LCS (EEC0203-BS1)

Prepared & Analyzed: 03/09/16

Mercury	0.200	0.0200	mg/Kg	0.200		100	80-120			
Mercury Digestion	Completed		N/A							

Environmental Testing, Inc.

Russell Britten, President

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Metals by EPA 6000/7000 Series Methods - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
Batch EEC0203 - EPA 7471										
Matrix Spike (EEC0203-MS1)			Source: E6C0047-04		Prepared & Analyzed: 03/09/16					
Mercury	0.250	0.0203	mg/Kg	0.203	0.0168	115	75-125			
Mercury Digestion	Completed		N/A							
Matrix Spike Dup (EEC0203-MSD1)			Source: E6C0047-04		Prepared & Analyzed: 03/09/16					
Mercury	0.249	0.0201	mg/Kg	0.201	0.0168	116	75-125	0.2	20	
Mercury Digestion	Completed		N/A							

Environmental Testing, Inc.

Russell Britten, President

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

TCLP Extraction by EPA 1311 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0105 - EPA 1311

Blank (EEC0105-BLK1)

Prepared & Analyzed: 03/02/16

TCLP Extraction Completed N/A

Batch EEC0106 - EPA 1311

Blank (EEC0106-BLK1)

Prepared & Analyzed: 03/02/16

TCLP Extraction Completed N/A

Environmental Testing, Inc.

Russell Britten, President

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

TCLP Metals by 6000/7000 Series Methods - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0103 - EPA 3005 TCLP

Blank (EEC0103-BLK1)				Prepared: 03/03/16 Analyzed: 03/04/16						
Lead	<0.100	0.100	mg/L							
Metals Digestion	Completed		N/A							
LCS (EEC0103-BS1)				Prepared: 03/03/16 Analyzed: 03/04/16						
Lead	5.16	0.100	mg/L	5.00		103	80-120			
Metals Digestion	Completed		N/A							
Duplicate (EEC0103-DUP1)				Source: E6C0043-01		Prepared: 03/03/16 Analyzed: 03/04/16				
Lead	<0.100	0.100	mg/L		ND				20	
Metals Digestion	Completed		N/A							
Matrix Spike (EEC0103-MS1)				Source: E6C0043-01		Prepared: 03/03/16 Analyzed: 03/04/16				
Lead	5.04	0.100	mg/L	5.00	ND	101	75-125			
Metals Digestion	Completed		N/A							
Matrix Spike Dup (EEC0103-MSD1)				Source: E6C0043-01		Prepared: 03/03/16 Analyzed: 03/04/16				
Lead	5.12	0.100	mg/L	5.00	ND	102	75-125	2	20	
Metals Digestion	Completed		N/A							

Batch EEC0104 - EPA 3005 TCLP

Blank (EEC0104-BLK1)				Prepared: 03/03/16 Analyzed: 03/04/16						
Lead	<0.100	0.100	mg/L							
Metals Digestion	Completed		N/A							
LCS (EEC0104-BS1)				Prepared: 03/03/16 Analyzed: 03/04/16						
Lead	5.14	0.100	mg/L	5.00		103	80-120			
Metals Digestion	Completed		N/A							

Environmental Testing, Inc.

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

TCLP Metals by 6000/7000 Series Methods - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0104 - EPA 3005 TCLP

Duplicate (EEC0104-DUP1)

Source: E6C0047-01

Prepared: 03/03/16 Analyzed: 03/04/16

Lead	16.2	0.100	mg/L		16.0			2	20	
Metals Digestion	Completed		N/A							

Matrix Spike (EEC0104-MS1)

Source: E6C0047-01

Prepared: 03/03/16 Analyzed: 03/04/16

Lead	21.2	0.100	mg/L	5.00	16.0	104	75-125			
Metals Digestion	Completed		N/A							

Matrix Spike Dup (EEC0104-MSD1)

Source: E6C0047-01

Prepared: 03/03/16 Analyzed: 03/04/16

Lead	21.3	0.100	mg/L	5.00	16.0	107	75-125	0.6	20	
Metals Digestion	Completed		N/A							

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Organochlorine Pesticides by EPA Method 8081 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0154 - EPA 3540

Blank (EEC0154-BLK1)

Prepared: 03/07/16 Analyzed: 03/08/16

alpha-BHC	<1.20	1.20	ug/Kg
beta-BHC	<1.80	1.80	ug/Kg
gamma-BHC (Lindane)	<1.20	1.20	ug/Kg
delta-BHC	<1.20	1.20	ug/Kg
Heptachlor	<1.20	1.20	ug/Kg
Aldrin	<1.20	1.20	ug/Kg
Heptachlor epoxide	<1.80	1.80	ug/Kg
Endosulfan I	<1.80	1.80	ug/Kg
4,4'-DDE	<1.80	1.80	ug/Kg
Dieldrin	<1.80	1.80	ug/Kg
Endrin	<1.80	1.80	ug/Kg
Endosulfan II	<1.20	1.20	ug/Kg
4,4'-DDD	<1.80	1.80	ug/Kg
Endrin aldehyde	<1.80	1.80	ug/Kg
Endosulfan sulfate	<1.20	1.20	ug/Kg
4,4'-DDT	<2.40	2.40	ug/Kg
Endrin ketone	<1.80	1.80	ug/Kg
Methoxychlor	<1.80	1.80	ug/Kg
Chlordane (tech)	<6.00	6.00	ug/Kg
Toxaphene	<48.0	48.0	ug/Kg
Soxhlet Extraction	Completed		N/A

Surrogate: Decachlorobiphenyl 3.88 ug/Kg 3.20 121 1.04-155

LCS (EEC0154-BS1)

Prepared: 03/07/16 Analyzed: 03/09/16

alpha-BHC	7.44	1.20	ug/Kg	8.00	93	68.6-115
beta-BHC	6.97	1.80	ug/Kg	8.00	87	59.1-126
gamma-BHC (Lindane)	7.27	1.20	ug/Kg	8.00	91	66.9-110
delta-BHC	7.30	1.20	ug/Kg	8.00	91	72.9-111
Heptachlor	7.46	1.20	ug/Kg	8.00	93	51.8-125
Aldrin	7.21	1.20	ug/Kg	8.00	90	66.1-108
Heptachlor epoxide	7.14	1.80	ug/Kg	8.00	89	67.9-106
Endosulfan I	6.81	1.80	ug/Kg	8.00	85	68.6-102
4,4'-DDE	7.37	1.80	ug/Kg	8.00	92	69-115
Dieldrin	6.33	1.80	ug/Kg	8.00	79	62.4-96.5
Endrin	7.55	1.80	ug/Kg	8.00	94	54.4-120
Endosulfan II	6.76	1.20	ug/Kg	8.00	84	51.9-112
4,4'-DDD	6.96	1.80	ug/Kg	8.00	87	66.6-113
Endrin aldehyde	6.77	1.80	ug/Kg	8.00	85	60.1-105
Endosulfan sulfate	7.15	1.20	ug/Kg	8.00	89	47.1-119
4,4'-DDT	7.05	2.40	ug/Kg	8.00	88	63.9-115
Endrin ketone	7.11	1.80	ug/Kg	8.00	89	68.2-120

Environmental Testing, Inc.

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Organochlorine Pesticides by EPA Method 8081 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0154 - EPA 3540

LCS (EEC0154-BS1)

Prepared: 03/07/16 Analyzed: 03/08/16

Methoxychlor	7.08	1.80	ug/Kg	8.00		88	64.1-126			
Soxhlet Extraction	Completed		N/A							
Surrogate: Decachlorobiphenyl	3.98		ug/Kg	3.20		124	1.04-155			

LCS (EEC0154-BS2)

Prepared: 03/07/16 Analyzed: 03/08/16

Soxhlet Extraction	Completed		N/A							
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Matrix Spike (EEC0154-MS1)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

alpha-BHC	6.48	1.20	ug/Kg	8.00	ND	81	82-99.3			M-05
beta-BHC	6.10	1.80	ug/Kg	8.00	ND	76	52.6-124			
gamma-BHC (Lindane)	6.20	1.20	ug/Kg	8.00	ND	77	74-104			
delta-BHC	6.26	1.20	ug/Kg	8.00	ND	78	84.1-113			M-05
Heptachlor	5.92	1.20	ug/Kg	8.00	ND	74	83-109			M-05
Aldrin	5.74	1.20	ug/Kg	8.00	ND	72	63-112			
Heptachlor epoxide	5.93	1.80	ug/Kg	8.00	ND	74	59.4-115			
Endosulfan I	5.72	1.80	ug/Kg	8.00	ND	71	40.5-139			
4,4'-DDE	6.06	1.80	ug/Kg	8.00	ND	76	78.7-138			M-05
Dieldrin	5.34	1.80	ug/Kg	8.00	ND	67	71.4-114			M-05
Endrin	6.29	1.80	ug/Kg	8.00	ND	79	74-115			
Endosulfan II	5.54	1.20	ug/Kg	8.00	ND	69	54-119			
4,4'-DDD	5.81	1.80	ug/Kg	8.00	ND	73	81.9-121			M-05
Endrin aldehyde	5.11	1.80	ug/Kg	8.00	ND	64	53.9-118			
Endosulfan sulfate	5.82	1.20	ug/Kg	8.00	ND	73	19.9-124			
4,4'-DDT	5.93	2.40	ug/Kg	8.00	ND	74	31.3-153			
Endrin ketone	6.04	1.80	ug/Kg	8.00	ND	76	63.9-116			
Methoxychlor	6.08	1.80	ug/Kg	8.00	ND	76	45.6-159			
Soxhlet Extraction	Completed		N/A							
Surrogate: Decachlorobiphenyl	3.24		ug/Kg	3.20		101	1.04-155			

Environmental Testing, Inc.

Russell Britten, President

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Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Organochlorine Pesticides by EPA Method 8081 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0154 - EPA 3540

Matrix Spike (EEC0154-MS2)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Soxhlet Extraction

Completed

N/A

Matrix Spike Dup (EEC0154-MSD1)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

alpha-BHC	6.69	1.20	ug/Kg	8.00	ND	84	82-99.3	3	20	
beta-BHC	6.24	1.80	ug/Kg	8.00	ND	78	52.6-124	2	20	
gamma-BHC (Lindane)	6.32	1.20	ug/Kg	8.00	ND	79	74-104	2	20	
delta-BHC	6.53	1.20	ug/Kg	8.00	ND	82	84.1-113	4	20	M-05
Heptachlor	6.45	1.20	ug/Kg	8.00	ND	81	83-109	9	20	M-05
Aldrin	6.41	1.20	ug/Kg	8.00	ND	80	63-112	11	20	
Heptachlor epoxide	6.42	1.80	ug/Kg	8.00	ND	80	59.4-115	8	20	
Endosulfan I	6.02	1.80	ug/Kg	8.00	ND	75	40.5-139	5	20	
4,4'-DDE	6.60	1.80	ug/Kg	8.00	ND	82	78.7-138	9	20	
Dieldrin	5.84	1.80	ug/Kg	8.00	ND	73	71.4-114	9	20	
Endrin	6.54	1.80	ug/Kg	8.00	ND	82	74-115	4	20	
Endosulfan II	5.56	1.20	ug/Kg	8.00	ND	70	54-119	0.4	20	
4,4'-DDD	6.33	1.80	ug/Kg	8.00	ND	79	81.9-121	9	20	M-05
Endrin aldehyde	4.92	1.80	ug/Kg	8.00	ND	62	53.9-118	4	20	
Endosulfan sulfate	5.47	1.20	ug/Kg	8.00	ND	68	19.9-124	6	20	
4,4'-DDT	6.41	2.40	ug/Kg	8.00	ND	80	31.3-153	8	20	
Endrin ketone	6.11	1.80	ug/Kg	8.00	ND	76	63.9-116	1	20	
Methoxychlor	5.54	1.80	ug/Kg	8.00	ND	69	45.6-159	9	20	
Soxhlet Extraction	Completed		N/A							
Surrogate: Decachlorobiphenyl	3.28		ug/Kg	3.20		103	1.04-155			

Matrix Spike Dup (EEC0154-MSD2)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Soxhlet Extraction

Completed

N/A

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0154 - EPA 3540

Blank (EEC0154-BLK1)

Prepared: 03/07/16 Analyzed: 03/08/16

Aroclor 1016	<40.0	40.0	ug/Kg
Aroclor 1221	<40.0	40.0	ug/Kg
Aroclor 1232	<40.0	40.0	ug/Kg
Aroclor 1242	<40.0	40.0	ug/Kg
Aroclor 1248	<40.0	40.0	ug/Kg
Aroclor 1254	<40.0	40.0	ug/Kg
Aroclor 1260	<40.0	40.0	ug/Kg
Soxhlet Extraction	Completed		N/A

Surrogate: Decachlorobiphenyl 3.51 ug/Kg 3.20 110 1.04-155

LCS (EEC0154-BS1)

Prepared: 03/07/16 Analyzed: 03/08/16

Soxhlet Extraction	Completed		N/A
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LCS (EEC0154-BS2)

Prepared: 03/07/16 Analyzed: 03/08/16

Aroclor 1016	59.0	40.0	ug/Kg	60.0	98	71.2-117
Aroclor 1260	52.5	40.0	ug/Kg	60.0	88	63.2-111
Soxhlet Extraction	Completed		N/A			

Surrogate: Decachlorobiphenyl 3.77 ug/Kg 3.20 118 1.04-155

Matrix Spike (EEC0154-MS1)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Soxhlet Extraction	Completed		N/A
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Matrix Spike (EEC0154-MS2)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Aroclor 1016	49.7	40.0	ug/Kg	60.0	ND	83	36.5-161
Aroclor 1260	49.7	40.0	ug/Kg	60.0	ND	83	19.7-158
Soxhlet Extraction	Completed		N/A				

Surrogate: Decachlorobiphenyl 3.37 ug/Kg 3.20 105 1.04-155

Environmental Testing, Inc.

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
Batch EEC0154 - EPA 3540										
Matrix Spike Dup (EEC0154-MSD1)										
Soxhlet Extraction	Completed		N/A							
Matrix Spike Dup (EEC0154-MSD2)										
Aroclor 1016	56.1	40.0	ug/Kg	60.0	ND	94	36.5-161	12	20	
Aroclor 1260	51.6	40.0	ug/Kg	60.0	ND	86	19.7-158	4	20	
Soxhlet Extraction	Completed		N/A							
Surrogate: Decachlorobiphenyl	3.25		ug/Kg	3.20		102	1.04-155			

Environmental Testing, Inc.

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0070 - EPA 5030 Soil MS

Blank (EEC0070-BLK1)

Prepared: 03/03/16 Analyzed: 03/04/16

Dichlorodifluoromethane	<5.00	5.00	ug/Kg
Chloromethane	<5.00	5.00	ug/Kg
Vinyl chloride	<5.00	5.00	ug/Kg
Bromomethane	<5.00	5.00	ug/Kg
Chloroethane	<5.00	5.00	ug/Kg
Trichlorofluoromethane	<5.00	5.00	ug/Kg
Acrolein	<20.0	20.0	ug/Kg
1,1-Dichloroethene	<5.00	5.00	ug/Kg
Acetone	<20.0	20.0	ug/Kg
Iodomethane	<5.00	5.00	ug/Kg
Carbon disulfide	<5.00	5.00	ug/Kg
Methylene chloride	<20.0	20.0	ug/Kg
Acrylonitrile	<20.0	20.0	ug/Kg
Methyl tert-butyl ether (MTBE)	<5.00	5.00	ug/Kg
trans-1,2-Dichloroethene	<5.00	5.00	ug/Kg
Vinyl acetate	<5.00	5.00	ug/Kg
1,1-Dichloroethane	<5.00	5.00	ug/Kg
2-Butanone (MEK)	<5.00	5.00	ug/Kg
cis-1,2-Dichloroethene	<5.00	5.00	ug/Kg
2,2-Dichloropropane	<5.00	5.00	ug/Kg
Bromochloromethane	<5.00	5.00	ug/Kg
Chloroform	<5.00	5.00	ug/Kg
1,1,1-Trichloroethane	<5.00	5.00	ug/Kg
1,1-Dichloropropene	<5.00	5.00	ug/Kg
Carbon tetrachloride	<5.00	5.00	ug/Kg
Benzene	<5.00	5.00	ug/Kg
1,2-Dichloroethane	<5.00	5.00	ug/Kg
Trichloroethene	<5.00	5.00	ug/Kg
1,2-Dichloropropane	<5.00	5.00	ug/Kg
Dibromomethane	<5.00	5.00	ug/Kg
Bromodichloromethane	<5.00	5.00	ug/Kg
2-Chloroethylvinyl ether	<5.00	5.00	ug/Kg
cis-1,3-Dichloropropene	<5.00	5.00	ug/Kg
4-Methyl-2-pentanone (MIBK)	<5.00	5.00	ug/Kg
Toluene	<5.00	5.00	ug/Kg
trans-1,3-Dichloropropene	<5.00	5.00	ug/Kg
1,1,2-Trichloroethane	<5.00	5.00	ug/Kg
Tetrachloroethene	<5.00	5.00	ug/Kg
2-Hexanone	<5.00	5.00	ug/Kg
1,3-Dichloropropane	<5.00	5.00	ug/Kg
Dibromochloromethane	<5.00	5.00	ug/Kg

Environmental Testing, Inc.

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Volatile Organic Compounds by EPA Method 8260 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0070 - EPA 5030 Soil MS

Blank (EEC0070-BLK1)

Prepared: 03/03/16 Analyzed: 03/04/16

1,2-Dibromoethane (EDB)	<5.00	5.00	ug/Kg							
Chlorobenzene	<5.00	5.00	ug/Kg							
Ethylbenzene	<5.00	5.00	ug/Kg							
1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/Kg							
m+p-Xylene	<10.0	10.0	ug/Kg							
o-Xylene	<5.00	5.00	ug/Kg							
Styrene	<5.00	5.00	ug/Kg							
Bromoform	<5.00	5.00	ug/Kg							
Isopropylbenzene	<5.00	5.00	ug/Kg							
1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/Kg							
trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/Kg							
1,2,3-Trichloropropane	<5.00	5.00	ug/Kg							
Bromobenzene	<5.00	5.00	ug/Kg							
n-Propylbenzene	<5.00	5.00	ug/Kg							
2-Chlorotoluene	<5.00	5.00	ug/Kg							
1,3,5-Trimethylbenzene	<5.00	5.00	ug/Kg							
4-Chlorotoluene	<5.00	5.00	ug/Kg							
4-Isopropyltoluene	<5.00	5.00	ug/Kg							
tert-Butylbenzene	<5.00	5.00	ug/Kg							
1,2,4-Trimethylbenzene	<5.00	5.00	ug/Kg							
sec-Butylbenzene	<5.00	5.00	ug/Kg							
1,3-Dichlorobenzene	<5.00	5.00	ug/Kg							
1,4-Dichlorobenzene	<5.00	5.00	ug/Kg							
n-Butylbenzene	<5.00	5.00	ug/Kg							
1,2-Dichlorobenzene	<5.00	5.00	ug/Kg							
1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/Kg							
1,2,4-Trichlorobenzene	<5.00	5.00	ug/Kg							
Hexachlorobutadiene	<5.00	5.00	ug/Kg							
Naphthalene	<5.00	5.00	ug/Kg							
1,2,3-Trichlorobenzene	<5.00	5.00	ug/Kg							
Surrogate: Dibromofluoromethane	51.6		ug/Kg	50.0		103	75-126			
Surrogate: 1,2-Dichloroethane-d4	56.0		ug/Kg	50.0		112	72.9-125			
Surrogate: Toluene-d8	53.2		ug/Kg	50.0		106	81.4-115			
Surrogate: 4-Bromofluorobenzene	44.6		ug/Kg	50.0		89	64.6-146			

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Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Volatile Organic Compounds by EPA Method 8260 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0070 - EPA 5030 Soil MS

LCS (EEC0070-BS1)

Prepared: 03/03/16 Analyzed: 03/04/16

Chloromethane	79.7	5.00	ug/Kg	80.0	100	19.9-164
Vinyl chloride	70.0	5.00	ug/Kg	80.0	87	34.4-165
Bromomethane	95.7	5.00	ug/Kg	80.0	120	2.32-136
Chloroethane	89.5	5.00	ug/Kg	80.0	112	28.4-167
Trichlorofluoromethane	92.3	5.00	ug/Kg	80.0	115	78.3-147
1,1-Dichloroethene	93.9	5.00	ug/Kg	80.0	117	63.9-150
Methylene chloride	102	20.0	ug/Kg	80.0	128	62.5-142
trans-1,2-Dichloroethene	105	5.00	ug/Kg	80.0	131	74.7-145
1,1-Dichloroethane	100	5.00	ug/Kg	80.0	126	76.6-146
Chloroform	97.3	5.00	ug/Kg	80.0	122	75.9-133
1,1,1-Trichloroethane	94.8	5.00	ug/Kg	80.0	118	70.3-123
Carbon tetrachloride	93.2	5.00	ug/Kg	80.0	116	71.6-148
Benzene	104	5.00	ug/Kg	80.0	130	75.1-142
1,2-Dichloroethane	96.8	5.00	ug/Kg	80.0	121	71.7-142
Trichloroethene	96.9	5.00	ug/Kg	80.0	121	84.9-138
1,2-Dichloropropane	93.3	5.00	ug/Kg	80.0	117	81.6-130
Bromodichloromethane	97.8	5.00	ug/Kg	80.0	122	81.8-124
2-Chloroethylvinyl ether	21.4	5.00	ug/Kg	80.0	27	-9.94-180
cis-1,3-Dichloropropene	105	5.00	ug/Kg	80.0	132	81.9-143
Toluene	86.5	5.00	ug/Kg	80.0	108	89.8-121
trans-1,3-Dichloropropene	102	5.00	ug/Kg	80.0	127	86.8-131
1,1,2-Trichloroethane	92.1	5.00	ug/Kg	80.0	115	82.5-122
Tetrachloroethene	83.7	5.00	ug/Kg	80.0	105	74.6-147
Dibromochloromethane	83.8	5.00	ug/Kg	80.0	105	80.5-129
Chlorobenzene	87.3	5.00	ug/Kg	80.0	109	82.9-130
Ethylbenzene	86.4	5.00	ug/Kg	80.0	108	84.4-129
Bromoform	87.1	5.00	ug/Kg	80.0	109	72.4-143
1,1,2,2-Tetrachloroethane	91.1	5.00	ug/Kg	80.0	114	76.9-131
1,3-Dichlorobenzene	78.6	5.00	ug/Kg	80.0	98	87.9-135
1,4-Dichlorobenzene	72.4	5.00	ug/Kg	80.0	91	84.4-128
1,2-Dichlorobenzene	75.9	5.00	ug/Kg	80.0	95	85.7-133
Surrogate: Dibromofluoromethane	47.9		ug/Kg	50.0	96	75-126
Surrogate: 1,2-Dichloroethane-d4	50.3		ug/Kg	50.0	101	72.9-125
Surrogate: Toluene-d8	55.0		ug/Kg	50.0	110	81.4-115
Surrogate: 4-Bromofluorobenzene	44.3		ug/Kg	50.0	89	64.6-146

Environmental Testing, Inc.

Russell Britten, President

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0070 - EPA 5030 Soil MS

Matrix Spike (EEC0070-MS1)

Source: E6C0042-01

Prepared: 03/03/16 Analyzed: 03/04/16

Chloromethane	1850	125	ug/Kg	2000	ND	93	8.72-184			
Vinyl chloride	1860	125	ug/Kg	2000	ND	93	26.1-187			
Bromomethane	4480	125	ug/Kg	2000	ND	224	-2.87-143			M-02
Chloroethane	2410	125	ug/Kg	2000	ND	120	3.14-187			
Trichlorofluoromethane	2180	125	ug/Kg	2000	ND	109	59.8-183			
1,1-Dichloroethene	2430	125	ug/Kg	2000	ND	122	58.9-170			
Methylene chloride	2290	500	ug/Kg	2000	885	70	44.9-150			
trans-1,2-Dichloroethene	3100	125	ug/Kg	2000	ND	155	63.7-179			
1,1-Dichloroethane	2750	125	ug/Kg	2000	ND	137	64.8-175			
Chloroform	2340	125	ug/Kg	2000	7.80	116	71-145			
1,1,1-Trichloroethane	2520	125	ug/Kg	2000	ND	126	62.2-155			
Carbon tetrachloride	2330	125	ug/Kg	2000	ND	116	62.9-171			
Benzene	2570	125	ug/Kg	2000	ND	128	71.9-151			
1,2-Dichloroethane	2050	125	ug/Kg	2000	ND	102	54.3-155			
Trichloroethene	2480	125	ug/Kg	2000	ND	124	52.3-186			
1,2-Dichloropropane	2380	125	ug/Kg	2000	ND	119	77.2-141			
Bromodichloromethane	2220	125	ug/Kg	2000	ND	111	66.2-147			
2-Chloroethylvinyl ether	690	125	ug/Kg	2000	724	NR	-53.2-229			
cis-1,3-Dichloropropene	2420	125	ug/Kg	2000	ND	121	41.8-179			
Toluene	2250	125	ug/Kg	2000	12.8	112	72.6-143			
trans-1,3-Dichloropropene	2000	125	ug/Kg	2000	ND	100	44-156			
1,1,2-Trichloroethane	1820	125	ug/Kg	2000	34.4	89	56.9-151			
Tetrachloroethene	1960	125	ug/Kg	2000	ND	98	48.5-189			
Dibromochloromethane	1740	125	ug/Kg	2000	ND	87	66.2-137			
Chlorobenzene	2070	125	ug/Kg	2000	ND	104	70.8-150			
Ethylbenzene	2230	125	ug/Kg	2000	ND	112	70.3-157			
Bromoform	1520	125	ug/Kg	2000	ND	76	49.8-143			
1,1,2,2-Tetrachloroethane	1600	125	ug/Kg	2000	537	53	48-161			
1,3-Dichlorobenzene	2000	125	ug/Kg	2000	18.4	99	44-176			
1,4-Dichlorobenzene	1870	125	ug/Kg	2000	18.6	92	51-164			
1,2-Dichlorobenzene	1900	125	ug/Kg	2000	18.0	94	45.6-162			
Surrogate: Dibromofluoromethane	1030		ug/Kg	1250		84	75-126			
Surrogate: 1,2-Dichloroethane-d4	971		ug/Kg	1250		78	72.9-125			
Surrogate: Toluene-d8	1290		ug/Kg	1250		104	81.4-115			
Surrogate: 4-Bromofluorobenzene	1110		ug/Kg	1250		89	64.6-146			

Environmental Testing, Inc.

Russell Britten, President

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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0070 - EPA 5030 Soil MS

Matrix Spike Dup (EEC0070-MSD1)

Source: E6C0042-01

Prepared: 03/03/16 Analyzed: 03/04/16

Chloromethane	1770	125	ug/Kg	2000	ND	89	8.72-184	5	20	
Vinyl chloride	1780	125	ug/Kg	2000	ND	89	26.1-187	5	20	
Bromomethane	3410	125	ug/Kg	2000	ND	170	-2.87-143	27	20	M-02, M-03
Chloroethane	2340	125	ug/Kg	2000	ND	117	3.14-187	3	20	
Trichlorofluoromethane	2110	125	ug/Kg	2000	ND	106	59.8-183	3	20	
1,1-Dichloroethene	2340	125	ug/Kg	2000	ND	117	58.9-170	4	20	
Methylene chloride	2320	500	ug/Kg	2000	885	72	44.9-150	1	20	
trans-1,2-Dichloroethene	3020	125	ug/Kg	2000	ND	151	63.7-179	3	20	
1,1-Dichloroethane	2730	125	ug/Kg	2000	ND	137	64.8-175	0.6	20	
Chloroform	2310	125	ug/Kg	2000	7.80	115	71-145	1	20	
1,1,1-Trichloroethane	2430	125	ug/Kg	2000	ND	121	62.2-155	4	20	
Carbon tetrachloride	2220	125	ug/Kg	2000	ND	111	62.9-171	5	20	
Benzene	2540	125	ug/Kg	2000	ND	127	71.9-151	1	20	
1,2-Dichloroethane	2080	125	ug/Kg	2000	ND	104	54.3-155	2	20	
Trichloroethene	2450	125	ug/Kg	2000	ND	123	52.3-186	1	20	
1,2-Dichloropropane	2330	125	ug/Kg	2000	ND	117	77.2-141	2	20	
Bromodichloromethane	2170	125	ug/Kg	2000	ND	108	66.2-147	3	20	
2-Chloroethylvinyl ether	742	125	ug/Kg	2000	724	0.9	-53.2-229	7	20	
cis-1,3-Dichloropropene	2470	125	ug/Kg	2000	ND	123	41.8-179	2	20	
Toluene	2300	125	ug/Kg	2000	12.8	114	72.6-143	2	20	
trans-1,3-Dichloropropene	2120	125	ug/Kg	2000	ND	106	44-156	6	20	
1,1,2-Trichloroethane	1800	125	ug/Kg	2000	34.4	88	56.9-151	0.8	20	
Tetrachloroethene	2000	125	ug/Kg	2000	ND	100	48.5-189	2	20	
Dibromochloromethane	1760	125	ug/Kg	2000	ND	88	66.2-137	1	20	
Chlorobenzene	2060	125	ug/Kg	2000	ND	103	70.8-150	0.5	20	
Ethylbenzene	2260	125	ug/Kg	2000	ND	113	70.3-157	1	20	
Bromoform	1650	125	ug/Kg	2000	ND	82	49.8-143	8	20	
1,1,2,2-Tetrachloroethane	1820	125	ug/Kg	2000	537	64	48-161	13	20	
1,3-Dichlorobenzene	2150	125	ug/Kg	2000	18.4	106	44-176	7	20	
1,4-Dichlorobenzene	1950	125	ug/Kg	2000	18.6	97	51-164	4	20	
1,2-Dichlorobenzene	2040	125	ug/Kg	2000	18.0	101	45.6-162	7	20	
Surrogate: Dibromofluoromethane	1070		ug/Kg	1250		85	75-126			
Surrogate: 1,2-Dichloroethane-d4	998		ug/Kg	1250		80	72.9-125			
Surrogate: Toluene-d8	1290		ug/Kg	1250		103	81.4-115			
Surrogate: 4-Bromofluorobenzene	1130		ug/Kg	1250		91	64.6-146			

Environmental Testing, Inc.

Russell Britten, President

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Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Semivolatile Organic Compounds by EPA Method 8270 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0158 - EPA 3540

Blank (EEC0158-BLK1)

Prepared: 03/07/16 Analyzed: 03/08/16

n-Nitrosodimethylamine	<400	400	ug/Kg
Pyridine	<400	400	ug/Kg
Phenol	<400	400	ug/Kg
Bis(2-chloroethyl)ether	<400	400	ug/Kg
2-Chlorophenol	<400	400	ug/Kg
1,3-Dichlorobenzene	<400	400	ug/Kg
1,4-Dichlorobenzene	<400	400	ug/Kg
1,2-Dichlorobenzene	<400	400	ug/Kg
2-Methylphenol	<400	400	ug/Kg
Bis(2-chloroisopropyl)ether	<400	400	ug/Kg
n-Nitrosodi-n-propylamine	<400	400	ug/Kg
4-Methylphenol	<400	400	ug/Kg
Hexachloroethane	<400	400	ug/Kg
Nitrobenzene	<400	400	ug/Kg
Isophorone	<400	400	ug/Kg
2-Nitrophenol	<400	400	ug/Kg
2,4-Dimethylphenol	<400	400	ug/Kg
Bis(2-chloroethoxy)methane	<400	400	ug/Kg
2,4-Dichlorophenol	<400	400	ug/Kg
1,2,4-Trichlorobenzene	<400	400	ug/Kg
Naphthalene	<400	400	ug/Kg
Hexachlorobutadiene	<400	400	ug/Kg
4-Chloro-3-methylphenol	<400	400	ug/Kg
Hexachlorocyclopentadiene	<400	400	ug/Kg
2,4,6-Trichlorophenol	<400	400	ug/Kg
2,4,5-Trichlorophenol	<400	400	ug/Kg
2-Chloronaphthalene	<400	400	ug/Kg
Dimethyl phthalate	<400	400	ug/Kg
2,6-Dinitrotoluene	<400	400	ug/Kg
Acenaphthylene	<400	400	ug/Kg
Acenaphthene	<400	400	ug/Kg
2,4-Dinitrophenol	<400	400	ug/Kg
4-Nitrophenol	<400	400	ug/Kg
2,4-Dinitrotoluene	<400	400	ug/Kg
Diethyl phthalate	<400	400	ug/Kg
Fluorene	<400	400	ug/Kg
4-Chlorophenyl phenyl ether	<400	400	ug/Kg
4,6-Dinitro-2-methylphenol	<400	400	ug/Kg
n-Nitrosodiphenylamine	<400	400	ug/Kg
4-Bromophenyl phenyl ether	<400	400	ug/Kg
Hexachlorobenzene	<400	400	ug/Kg

Environmental Testing, Inc.

Russell Britten, President

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Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Semivolatile Organic Compounds by EPA Method 8270 - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	------------

Batch EEC0158 - EPA 3540

Blank (EEC0158-BLK1)

Prepared: 03/07/16 Analyzed: 03/08/16

Pentachlorophenol	<400	400	ug/Kg
Phenanthrene	<400	400	ug/Kg
Anthracene	<400	400	ug/Kg
Di-n-butyl phthalate	<400	400	ug/Kg
Fluoranthene	<400	400	ug/Kg
Benzidine	<400	400	ug/Kg
Pyrene	<400	400	ug/Kg
Butyl benzyl phthalate	<400	400	ug/Kg
Benzo(a)anthracene	<400	400	ug/Kg
3,3'-Dichlorobenzidine	<400	400	ug/Kg
Chrysene	<400	400	ug/Kg
Bis(2-ethylhexyl)phthalate	<400	400	ug/Kg
Di-n-octyl phthalate	<400	400	ug/Kg
Benzo(b)fluoranthene	<400	400	ug/Kg
Benzo(k)fluoranthene	<400	400	ug/Kg
Benzo(a)pyrene	<400	400	ug/Kg
Indeno(1,2,3-cd)pyrene	<400	400	ug/Kg
Dibenz(a,h)anthracene	<400	400	ug/Kg
Benzo(g,h,i)perylene	<400	400	ug/Kg
Soxhlet Extraction	Completed		N/A

Surrogate: 2-Fluorophenol	1930	ug/Kg	4000	48	1-116
Surrogate: Phenol-d5	2060	ug/Kg	4000	52	19.8-107
Surrogate: Nitrobenzene-d5	947	ug/Kg	2000	47	1-110
Surrogate: 2-Fluorobiphenyl	952	ug/Kg	2000	48	18.3-108
Surrogate: 2,4,6-Tribromophenol	2780	ug/Kg	4000	69	22-122
Surrogate: Terphenyl-d14	2030	ug/Kg	2000	101	1-171

LCS (EEC0158-BS1)

Prepared: 03/07/16 Analyzed: 03/08/16

Phenol	1220	400	ug/Kg	2000	61	27.3-99.8
2-Chlorophenol	1360	400	ug/Kg	2000	68	33.8-104
1,4-Dichlorobenzene	2770	400	ug/Kg	4000	69	30.5-115
n-Nitrosodi-n-propylamine	1570	400	ug/Kg	2000	79	25.7-99.4
1,2,4-Trichlorobenzene	1430	400	ug/Kg	2000	72	42.4-100
4-Chloro-3-methylphenol	1340	400	ug/Kg	2000	67	38.1-111
Acenaphthene	1470	400	ug/Kg	2000	73	39.8-112
4-Nitrophenol	1500	400	ug/Kg	2000	75	50.7-123
2,4-Dinitrotoluene	3230	400	ug/Kg	4000	81	53.4-141
Pentachlorophenol	3760	400	ug/Kg	4000	94	34.8-73.8
Pyrene	1980	400	ug/Kg	2000	99	58.6-113
Benzo(a)anthracene	1820	400	ug/Kg	2000	91	61.8-122
Soxhlet Extraction	Completed		N/A			

L-02

Environmental Testing, Inc.

Russell Britten, President

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Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Semivolatile Organic Compounds by EPA Method 8270 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
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Batch EEC0158 - EPA 3540

LCS (EEC0158-BS1)

Prepared: 03/07/16 Analyzed: 03/08/16

Surrogate: 2-Fluorophenol	2640		ug/Kg	4000		66	1-116
Surrogate: Phenol-d5	2910		ug/Kg	4000		73	19.8-107
Surrogate: Nitrobenzene-d5	1350		ug/Kg	2000		68	1-110
Surrogate: 2-Fluorobiphenyl	1420		ug/Kg	2000		71	18.3-108
Surrogate: 2,4,6-Tribromophenol	3260		ug/Kg	4000		82	22-122
Surrogate: Terphenyl-d14	1900		ug/Kg	2000		95	1-171

Matrix Spike (EEC0158-MS1)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Phenol	1190	400	ug/Kg	2000	ND	59	28.6-83.3
2-Chlorophenol	1310	400	ug/Kg	2000	ND	66	24.3-87.8
1,4-Dichlorobenzene	2500	400	ug/Kg	4000	ND	62	23.3-92.2
n-Nitrosodi-n-propylamine	1540	400	ug/Kg	2000	ND	77	1-115
1,2,4-Trichlorobenzene	1370	400	ug/Kg	2000	ND	68	13.7-102
4-Chloro-3-methylphenol	1520	400	ug/Kg	2000	ND	76	24.3-105
Acenaphthene	1590	400	ug/Kg	2000	ND	79	16.9-125
4-Nitrophenol	1570	400	ug/Kg	2000	ND	78	40.4-142
2,4-Dinitrotoluene	3370	400	ug/Kg	4000	ND	84	44.2-128
Pentachlorophenol	3990	400	ug/Kg	4000	148	96	1-170
Pyrene	2040	400	ug/Kg	2000	ND	102	63.4-116
Benzo(a)anthracene	1880	400	ug/Kg	2000	ND	94	68.9-119
Soxhlet Extraction	Completed		N/A				

Surrogate: 2-Fluorophenol	2510		ug/Kg	4000		63	1-116
Surrogate: Phenol-d5	2820		ug/Kg	4000		71	19.8-107
Surrogate: Nitrobenzene-d5	1320		ug/Kg	2000		66	1-110
Surrogate: 2-Fluorobiphenyl	1420		ug/Kg	2000		71	18.3-108
Surrogate: 2,4,6-Tribromophenol	3500		ug/Kg	4000		87	22-122
Surrogate: Terphenyl-d14	1920		ug/Kg	2000		96	1-171

Environmental Testing, Inc.

Russell Britten, President

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Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Semivolatile Organic Compounds by EPA Method 8270 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	------------

Batch EEC0158 - EPA 3540

Matrix Spike Dup (EEC0158-MSD1)

Source: E6C0047-04

Prepared: 03/07/16 Analyzed: 03/08/16

Phenol	1140	400	ug/Kg	2000	ND	57	28.6-83.3	4	20	
2-Chlorophenol	1250	400	ug/Kg	2000	ND	62	24.3-87.8	5	20	
1,4-Dichlorobenzene	2350	400	ug/Kg	4000	ND	59	23.3-92.2	6	20	
n-Nitrosodi-n-propylamine	1480	400	ug/Kg	2000	ND	74	1-115	4	20	
1,2,4-Trichlorobenzene	1290	400	ug/Kg	2000	ND	65	13.7-102	5	20	
4-Chloro-3-methylphenol	1460	400	ug/Kg	2000	ND	73	24.3-105	4	20	
Acenaphthene	1510	400	ug/Kg	2000	ND	75	16.9-125	5	20	
4-Nitrophenol	1560	400	ug/Kg	2000	ND	78	40.4-142	0.3	20	
2,4-Dinitrotoluene	3270	400	ug/Kg	4000	ND	82	44.2-128	3	20	
Pentachlorophenol	3950	400	ug/Kg	4000	148	95	1-170	1	20	
Pyrene	2000	400	ug/Kg	2000	ND	100	63.4-116	2	20	
Benzo(a)anthracene	1840	400	ug/Kg	2000	ND	92	68.9-119	2	20	
Soxhlet Extraction	Completed		N/A							

Surrogate: 2-Fluorophenol	2380		ug/Kg	4000		60	1-116			
Surrogate: Phenol-d5	2710		ug/Kg	4000		68	19.8-107			
Surrogate: Nitrobenzene-d5	1250		ug/Kg	2000		62	1-110			
Surrogate: 2-Fluorobiphenyl	1340		ug/Kg	2000		67	18.3-108			
Surrogate: 2,4,6-Tribromophenol	3400		ug/Kg	4000		85	22-122			
Surrogate: Terphenyl-d14	1890		ug/Kg	2000		95	1-171			

Environmental Testing, Inc.

Russell Britten, President

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Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/17/16 08:45

Qualifiers and Definitions

COM	Completed
L-02	The laboratory control spike recovery was higher than expected.
M-01	The matrix spike recovery was lower than expected due to sample matrix interference.
M-02	The matrix spike recovery was higher than expected due to sample matrix interference.
M-03	The matrix spike RPD was higher than expected due to sample matrix interference.
M-05	The matrix spike recovery was outside of control limits.
R-01	The RPD between sample duplicates exceeded the method or laboratory control limit. This may indicate the results are not as precise as expected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
x	Non-Certified analyte
NA	Not Applicable

Environmental Testing, Inc.

Russell Britten, President

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Original
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ENVIRONMENTAL TESTING, INC.

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FAX: (405) 488-2404



CHAIN OF CUSTODY RECORD

PAGE: OF

SAMPLE SERIES #: 200047

SHADED AREAS FOR LABORATORY USE ONLY

COMPANY: Boomer Environmental LLC

ADDRESS: 2800 SE 29th Street
Oklahoma City OK 73129

PHONE #: 405 601 9595

EMAIL: ERIC@BOOMERENVIRONMENTAL.COM

P.O. #: 104941

CLIENT CONTACT: ERIC STANLEY /MANAGER:

PROJECT #: 1303012591

SITE LOCATION: ODEA - SANBORN SOFTBALL FIELD

SAMPLE TYPE

1. WATER
2. SOIL
3. SLUDGE
4. OIL
5. OTHER

CONTAINER TYPE

- P-PLASTIC
- G-GLASS
- V-VOA
- O-OTHER
- T-TEFLON

ANALYSIS

LAB COMMENTS

TCLP LEAD
Volatiles
Semi Volatiles
8 RCRA METALS (Total)
Herbicides
Pesticides
PCB's

ETI SAMPLE #	CLIENT SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER		#	SAMPLING		PRESERVATIVES
			SIZE	TYPE		DATE	TIME	

1	Stabilized soil site #1	2	402	G	1	3/1/16	1300	X
2	Stabilized soil site #2	2	402	G		3/1/16	1300	X
3	Stabilized soil site #3	2	402	G		3/1/16	1300	X
4	Common fill site #1	2	402	G		3/1/16	1300	X
5	Common fill site #2	2	402	G				

SAMPLER:

Raymond GARNER

FIELD PH:

TEMP:

TIME:

COND:

RECEIVED ON ICE: ☒ Y ☐ N @ 7.0°C

EQUIPMENT #: 200184

REQUESTED TURNAROUND TIME: 600 hours

☒ REGULAR (5 DAYS)

☒ 3 DAYS

☐ 2 DAYS

☐ 1 DAY

RUSH REQUIRED: (ADDITIONAL FEES MAY APPLY) TCLP LEAD ONLY

RELINQUISHED BY:

[Signature]

DATE: 3/2/16

TIME: 1155

DATE:

TIME:

DATE:

TIME:

RECEIVED BY:

[Signature]

RECEIVED BY:

DATE:

TIME:

DATE:

TIME:

CALIB:

☐ 4 ☐ 7 ☐ 10

COMMENTS:

Did not receive enough sample in tailing for #4. Client brought 170g additional soil & TC MUA for test. 03/23/16

LOG IN REVIEW:

E6C0047

Environmental Testing, Inc.

Client: Boomer Environmental
Project: ODEQ - Sanborn Softball Field

Project Manager: Russell Britten
Project Number: 1303012591

Report To:

Boomer Environmental
Mr. Eric Standridge
2800 SE 29th
Oklahoma City, OK 73129
Phone: (405) 414-1766
Fax: n/a

Invoice To:

Boomer Environmental
Ms. Georgia DeArmin
2800 SE 29th
Oklahoma City, OK 73129
Phone: (405) 601-9595
Fax: n/a

Date Due: 03/09/16 17:00 (5 day TAT)

Received By: Cassandra Colon

Logged In By: Cassandra Colon

Date Received: 03/02/16 11:55

Date Logged In: 03/02/16 12:15

Samples Received at:	-1°C				
Custody seals	No	Received on ice	Yes	Sufficient sample	Yes
Containers intact	Yes	Sample or temp blank frozen	No		
COC/Labels agree	Yes	Headspace in VOA vials	No		
Preservation confirmed	No	Correct containers	Yes		

Notes:

Preservation Confirmation

Container ID	Container Type	pH	Date/Time	Lot #
--------------	----------------	----	-----------	-------

Preservation Confirmed By

Date

Reviewed By

Date

wko_ETIwpres_rev0.7.rpt

Laboratory Analytical Report



ENVIRONMENTAL
TESTING, INC.

4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

28 March 2016

Mr. Eric Standridge

Boomer Environmental
2800 SE 29th
Oklahoma City, OK 73129

WO: E6C0483

RE: ODEQ - Sanborn Softball Field

Enclosed are the results of analyses for samples received by the laboratory on 03/24/16 11:52. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Russell Britten
President

Original



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

Stabilized Soil Site #1A
E6C0483-01 (Solid) - Sampled: 03/23/16 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	------------

Environmental Testing, Inc.

TCLP Extraction by EPA 1311

TCLP Extraction	Completed		N/A		EEC0545	LSB	03/24/16 18:45	EPA 1311	
-----------------	-----------	--	-----	--	---------	-----	----------------	----------	--

TCLP Metals by 6000/7000 Series Methods

Lead	0.234	0.100	mg/L		EEC0536	LSB	03/28/16 11:13	EPA 6010C	
Metals Digestion	Completed		N/A		EEC0536	LSB	03/25/16 15:35	EPA 3010A	

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) MRL_rv0.11



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

Stabilized Soil Site #3A
E6C0483-02 (Solid) - Sampled: 03/23/16 16:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	------------

Environmental Testing, Inc.

TCLP Extraction by EPA 1311

TCLP Extraction	Completed		N/A		EEC0545	LSB	03/24/16 18:45	EPA 1311	
-----------------	-----------	--	-----	--	---------	-----	----------------	----------	--

TCLP Metals by 6000/7000 Series Methods

Lead	<0.100	0.100	mg/L	1	EEC0536	LSB	03/28/16 11:17	EPA 6010C	
Metals Digestion	Completed		N/A		EEC0536	LSB	03/25/16 15:35	EPA 3010A	

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) MRL_rev0.31



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

TCLP Extraction by EPA 1311 - Quality Control
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	------------

Batch EEC0545 - EPA 1311

Blank (EEC0545-BLK1)

Prepared & Analyzed: 03/24/16

TCLP Extraction

Completed

N/A

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) MRL rev0.31



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

TCLP Metals by 6000/7000 Series Methods - Quality Control

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	------------

Batch EEC0536 - EPA 3005 TCLP

Blank (EEC0536-BLK1)

Prepared: 03/25/16 Analyzed: 03/28/16

Lead <0.100 0.100 mg/L
Metals Digestion Completed N/A

LCS (EEC0536-BS1)

Prepared: 03/25/16 Analyzed: 03/28/16

Lead 5.29 0.100 mg/L 5.00 106 80-120
Metals Digestion Completed N/A

Duplicate (EEC0536-DUP1)

Source: E6C0417-01

Prepared: 03/25/16 Analyzed: 03/28/16

Lead 3.33 0.100 mg/L 3.35 0.5 20
Metals Digestion Completed N/A

Matrix Spike (EEC0536-MS1)

Source: E6C0417-01

Prepared: 03/25/16 Analyzed: 03/28/16

Lead 8.52 0.100 mg/L 5.00 3.35 103 75-125
Metals Digestion Completed N/A

Matrix Spike Dup (EEC0536-MSD1)

Source: E6C0417-01

Prepared: 03/25/16 Analyzed: 03/28/16

Lead 8.40 0.100 mg/L 5.00 3.35 101 75-125 1 20
Metals Digestion Completed N/A

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDP) M001 rev0.11



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

Non-Certified Analyses included in this Report

Analyte

Certifications

Code	Description	Number	Expires
KDHE	Kansas Accredited	E-10401	05/31/2016
NELAP	NELAP Accredited (LDEQ)	10002	06/30/2016
ODEQ	Oklahoma Accredited	2015-150	08/31/2016
TCEQ	Texas Accredited	T104704498-15-5	03/31/2016

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) ABL_rev0.11



4619 N. Santa Fe
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Boomer Environmental
2800 SE 29th
Oklahoma City OK, 73129

Project: ODEQ - Sanborn Softball Field
Project Number: 1303012591
Project Manager: Mr. Eric Standridge

Reported:
03/28/16 16:08

Qualifiers and Definitions

COM	Completed
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
x	Non-Certified analyte
NA	Not Applicable

Environmental Testing, Inc.

Russell Britten, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

Original
ETI OKC FINAL COC (PDF) AIRL, rev 0.11

E6C0483

Environmental Testing, Inc.

Client: Boomer Environmental
Project: ODEQ - Sanborn Softball Field

Project Manager: Russell Britten
Project Number: 1303012591

Report To:
Boomer Environmental
Mr. Eric Standridge
2800 SE 29th
Oklahoma City, OK 73129
Phone: (405) 414-1766
Fax: n/a

Invoice To:
Boomer Environmental
Ms. Georgia DeArmin
2800 SE 29th
Oklahoma City, OK 73129
Phone: (405) 601-9595
Fax: n/a

Date Due: 03/28/16 17:00 (1 day TAT)

Received By: Keith Hopcus

Logged In By: Cassandra Colon

Date Received: 03/24/16 11:52

Date Logged In: 03/24/16 12:42

Samples Received at:		5.8°C	
Custody seals	No	Received on ice	Yes
Containers intact	Yes	Sample or temp blank frozen	No
COC/Labels agree	Yes	Headspace in VOA vials	No
Preservation confirmed	No	Correct containers	Yes

Notes:

Preservation Confirmation

Container ID	Container Type	pH	Date/Time	Lot #
--------------	----------------	----	-----------	-------

Preservation Confirmed By

Date

Reviewed By

Date

wko_ETHvpres_rev0 7.rpt

Page 1 of 1

Page 9 of 9



NON-HAZARDOUS WASTE MANIFEST

1840779

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103 4. Phone () 405 501-2525				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				No. Type	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017				19. Total Quantity NONE	
b.				20. Unit Wt/Vol	
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information 93					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STIMONDRIK-E		Signature [Signature]		Month Day Year 9/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name [Signature]		Signature [Signature]		Month Day Year 9/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name [Signature]		Signature [Signature]		Month Day Year 7/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840708

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075	
4. Phone () 405 601-8585				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4152145540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1) 201					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature		Month Day Year 4 14 16	
24. Transporter #1: Acknowledgement of Receipt of Materials		Signature		Month Day Year 4 25 16	
Printed/Typed Name Robbie Harrington		Signature		Month Day Year 4 25 16	
25. Transporter #2: Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4 25 16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840709

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-8325				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone 08000024434	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 York Rd Stillwater OK OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above !!					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Steve Jones		Signature Steve Jones		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Paul Ellis		Signature Paul Ellis		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840710

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 601-2555				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone 080000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 West Rd Stillwater OK OK 74075 405 387-3745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANLEY-E		Signature Eric Stanley-E		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lynn Noble		Signature Lynn Noble		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jee		Signature Jee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840711

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Sewital Field - 1201 W. Airport Rd. Stillwater, OK 74075	
4. Phone () 405 501-8325				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Vest Rd Stillwater, OK, OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182160840 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Scott Wilson		Signature Scott Wilson		Month Day Year 4/28/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name See		Signature See		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840712

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-9595				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 x201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165640 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above #340					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name SARAH H. PETERSON		Signature Sarah Peterson		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840713

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74078			
4. Phone () 408 501-8685				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 000024434			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74078 409 397-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182166340 EXP 3/28/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature Eric Standridge		Month Day Year 4/14/16	
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials						
	Printed/Typed Name Tom Wais...		Signature Tom Wais...		Month Day Year 4/25/16		
TRANSPORTER	25. Transporter #2: Acknowledgement of Receipt of Materials						
	Printed/Typed Name		Signature		Month Day Year		
T/S/D FACILITY	26. Discrepancy Indication Space						
	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)						
Printed/Typed Name Lee				Signature Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840714

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-9885				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				No. Type	
a. STABILIZED SOIL 4182165640 EXP 3/28/2017				19. Total Quantity NONE	
b.				20. Unit Wt/Vol	
c.					
21. Additional Descriptions for Materials Listed Above #777					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Rickey Bryant		Signature Rickey Bryant		Month Day Year 4/15/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840715

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sarbom Softball Field - 1201 W. Airport Rd. Stillwater OK 74078	
4. Phone () 406 801-9595				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OK 800 002 4414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				No. Type	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
19. Total Quantity NONE		20. Unit Wt/Vol			
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information #105					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lawrence Philip Jones		Signature		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jee		Signature Jee		Month Day Year 4/25/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840716

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103 4. Phone () 405 501-8586				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 Exp 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Robbie Harrington		Signature Robbie Harrington		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jee		Signature Jee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840717

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of				
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075				
4. Phone () 405 601-9595				6. Phone ()				
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR 000024414			
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9746 X201			14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182165540 EXP 3/28/2017 b. c.			17. Republic Services Approval # and Exp. Date		18. Containers	19. Total Quantity NONE	20. Unit Wt/Vol	
					No.			Type
21. Additional Descriptions for Materials Listed Above 1)								
22. Special Handling Instructions and Additional Information 4/15								
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.								
Printed/Typed Name ERIC STANDRIDGE			Signature Eric Standridge			Month Day Year 4/14/16		
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials			Signature David Buck			Month Day Year 4/25/16	
	25. Transporter #2: Acknowledgement of Receipt of Materials			Signature			Month Day Year	
T/S/D FACILITY	26. Discrepancy Indication Space							
	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Alec			Signature Alec			Month Day Year 4/25/16		

TRANSPORTER #2

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840718

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103 4. Phone () 405 501-8385				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL #182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature <i>Eric Standridge</i>		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Darryl P. White		Signature <i>Darryl P. White</i>		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature <i>Lee</i>		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840719

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone () 405 501-8888				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK 74075 405 387-3745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182158840 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Steve Brown		Signature Steve Brown		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name lee		Signature lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840720

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone () 405 601-8885				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1521					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Chris Davis		Signature Chris Davis		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jee		Signature Jee		Month Day Year 4/25/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840721

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075			
4. Phone () 405 501-3090				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182165540 EXP 3/28/2017 b. c.		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
21. Additional Descriptions for Materials Listed Above 142							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name Scott Johnson				Signature Scott Johnson		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Jee				Signature Jee		Month Day Year 4/25/16	

GENERATOR

TRANSPORTER #1

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840722

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone () 405 501-8395				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers No. Type	
a. STABILIZED SOIL 4182165540 EXP 3/23/2017				19. Total Quantity NONE	
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information 340					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials Printed/Typed Name DARRELL FITZMAUR		Signature D. Fitzmaur		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840723

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-3583				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024434	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X261		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182168546 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information #93					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRINGE		Signature Eric Standringe		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name TOM WADON		Signature Tom Wadon		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840724

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 501-2595				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged; and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STAMM RIDGE		Signature Eric Stamm		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lawrence Philip Ruyter		Signature Lawrence Philip Ruyter		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name J Lee		Signature J Lee		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840725

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of				
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075				
4. Phone () 405 501-9595				6. Phone ()				
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14				
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone				
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK, OK 74075 405 397-9745 X201		14. US EPA ID Number		15. Facility's Phone				
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182155540 EXP 3/28/2017 b. c.		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol	
				No.	Type			
21. Additional Descriptions for Materials Listed Above 1)								
22. Special Handling Instructions and Additional Information								
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.								
Printed/Typed Name ERIC STANDRIDGE				Signature <i>Eric Standridge</i>		Month Day Year 4/14/16		
24. Transporter #1: Acknowledgement of Receipt of Materials				Printed/Typed Name Robbie Harrington		Signature <i>Robbie Harrington</i>		Month Day Year 4/25/16
25. Transporter #2: Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year
26. Discrepancy Indication Space								
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)								
Printed/Typed Name <i>Lee</i>				Signature <i>Lee</i>		Month Day Year 4/25/16		

TRANSPORTER #1

COM000033



**REPUBLIC
SERVICES**

NON-HAZARDOUS WASTE MANIFEST

1840726

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73109				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W Airport Rd Stillwater OK 74078	
4. Phone () 405 801-2595				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR 000024414
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 York Rd Stillwater OK OK 74075 405 387-9745 X201			14. US EPA ID Number		15. Facility's Phone
16. Waste Shipping Name and Description			17. Republic Services Approval # and Exp. Date		18. Containers No. Type
a. STABILIZED SOIL, 4182165540, EXP 3/28/2017					19. Total Quantity NONE
b.					20. Unit Wt/Vol
c.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE			Signature Eric Standridge		Month Day Year 4/14/16
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Dana Burk			Signature Dana Burk		Month Day Year 4/14/16
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Month Day Year
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee			Signature Lee		Month Day Year 4/19/11

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



**REPUBLIC
SERVICES**

NON-HAZARDOUS WASTE MANIFEST

1840727

Please print or type:

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74078	
4. Phone () 406 601-8880				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR000024414
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201			14. US EPA ID Number		15. Facility's Phone
16. Waste Shipping Name and Description			17. Republic Services Approval # and Exp. Date		18. Containers No. Type
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					19. Total Quantity NONE
b.					20. Unit Wt/Vol
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information 77001					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE			Signature Eric Standridge		Month Day Year 4/14/16
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Month Day Year
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name Harry Redd			Signature Harry Redd		Month Day Year 4/15/16
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jill			Signature Jill		Month Day Year 4/25/16

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840728

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 501-9535				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 West Rd Stillwater OK OK 74075 405 387-8745 x201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/4/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Robbie Harrington		Signature Robbie Harrington		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jill		Signature Jill		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840729

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-9999				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK, OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information HIV					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name SCOTT NELSON		Signature Scott Nelson		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Allen		Signature Allen		Month Day Year 4/26/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



**REPUBLIC
SERVICES**

NON-HAZARDOUS WASTE MANIFEST

1840730

Please print or type:

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103			5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075		
4. Phone () 405 501-5555			6. Phone ()		
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9746 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lawrence Philip Berger		Signature Lawrence Philip Berger		Month Day Year 7/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name See		Signature See		Month Day Year 4/25/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840731

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73105 4. Phone () 405 501-2593				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075 6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182165540 EXP 3/28/2017 b. c.		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature 		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name Cobbie Harrington				Signature 		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name AEC				Signature 		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840732

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 601-2586				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Steve Brown		Signature Steve Brown		Month Day Year 4/20/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 7/15/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840733

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075			
4. Phone () 405 601-2595				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL #182165640 EXP 3/30/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANORIDGE				Signature Eric Stanoridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name Dale Rink				Signature Dale Rink		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name				Signature		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840734

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74073	
4. Phone () 405 501-9596		8. US EPA ID Number		9. Transporter #1's Phone OKR 000024414	
7. Transporter #1 Company Name Boomer Environmental, LLC		11. US EPA ID Number		12. Transporter #2's Phone	
10. Transporter #2 Company Name		14. US EPA ID Number		15. Facility's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 East Rd Stillwater OK OK 74075 405 387-9745 X201		17. Republic Services Approval # and Exp. Date		18. Containers	
16. Waste Shipping Name and Description				19. Total Quantity NONE	
a. STABILIZED SOIL 4192163540 EXP 3/28/2017				20. Unit Wt/Vol	
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND; If this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials		Signature Chris Davis		Month Day Year 4/25/16	
Printed/Typed Name CHRIS DAVIS		Signature		Month Day Year	
25. Transporter #2: Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name					
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Sees		Signature Sees		Month Day Year 4/25/16	

T/S/D/F/COPY



NON-HAZARDOUS WASTE MANIFEST

1840735

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W Airport Rd. Stillwater OK 74075			
4. Phone () 405 501-8888				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8746 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182155540 EXP 3/26/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature <i>Eric Standridge</i>		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>Eric Standridge</i>				Signature <i>Eric Standridge</i>		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name <i>Eric Standridge</i>				Signature <i>Eric Standridge</i>		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840737

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73102				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 801-9595				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-3745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182155640 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information #93					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Tom WABOS		Signature Tom WABOS		Month Day Year 4/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/25/11	

TRANSPORTER #1

GOM000033



NON-HAZARDOUS WASTE MANIFEST

1840738

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone () 405 601-9555				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater, OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers No. Type	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017				19. Total Quantity NONE	
b.				20. Unit Wt/Vol	
c.					
21. Additional Descriptions for Materials Listed Above " #340					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature <i>[Signature]</i>		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year 7/25/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name DARRELL PITTMAN		Signature <i>[Signature]</i>		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840739

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-9386				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK 74075 405 387-8746 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165840 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature <i>Eric Standridge</i>		Month Day Year 4/16/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lawrence M. R. R.		Signature <i>Lawrence M. R. R.</i>		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name <i>Lee</i>		Signature <i>Lee</i>		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840740

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075			
4. Phone () 406 601-9525				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182155540 EXP 3/28/2017 b. c.		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name David				Signature David		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Jee				Signature Jee		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



**REPUBLIC
SERVICES**

NON-HAZARDOUS WASTE MANIFEST

1840741

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103 4. Phone () 405 501-9595				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075 6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1) 101					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Larry Prohle		Signature Larry Prohle		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name Slee		Signature Slee		Month Day Year 4/26/16	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Slee		Signature Slee		Month Day Year 4/26/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840742

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075			
4. Phone () 400 601-3535				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414		
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone		
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 York Rd Stillwater OK OK 74075 405 387-9746 X201			14. US EPA ID Number		15. Facility's Phone		
16. Waste Shipping Name and Description			17. Republic Services Approval # and Exp. Date		18. Containers	19. Total Quantity	20. Unit Wt/Vol
					No.	Type	NONE
GENERATOR	a. STABILIZED SOIL 418215540 EXP 3/28/2017						
	b.						
	c.						
21. Additional Descriptions for Materials Listed Above 1) 21340							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature 		Month Day Year 4/14/16	
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials						
	Printed/Typed Name C. R. 24 / R. 1700 n E				Signature 		Month Day Year 7/26/16
TRANSPORTER	25. Transporter #2: Acknowledgement of Receipt of Materials						
	Printed/Typed Name				Signature		Month Day Year
T/S/D FACILITY	26. Discrepancy Indication Space						
	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)						
Printed/Typed Name See				Signature 		Month Day Year 4/26/11	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840743

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W Airport Rd Stillwater OK 74075	
4. Phone () 405 501-9006				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182168540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1) #13					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Tommy Standridge		Signature Tommy Standridge		Month Day Year 4/16/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name J. Lee		Signature J. Lee		Month Day Year 4/16/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840744

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone () 405 501-8888				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075 6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182165540 EXP 3/28/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 142							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials				Signature		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Lee				Signature Lee		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840745

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sarbom Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405-601-9888				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9746 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182168640 Exp 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Robbie Harrington		Signature Robbie Harrington		Month Day Year 4/20/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840746

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 406 531-9888				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 397-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				No. Type	
a. STABILIZED SOIL 4182168540 EXP 3/28/2017					
b.					
c.					
19. Total Quantity NONE		20. Unit Wt/Vol			
21. Additional Descriptions for Materials Listed Above # 105					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC SANDRIDGE		Signature Eric Sandridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Lawrence Philby Penner		Signature Lawrence Penner		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Hee		Signature Hee		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840747

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 601-8886				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK, OK 74075 405 387-8745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL #182185540 EXP 3/28/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Duke B. B. B.		Signature Duke B. B. B.		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Jes		Signature Jes		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840748

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 501-8888				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				No. Type	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017					
b.					
c.					
19. Total Quantity NONE					
20. Unit Wt/Vol					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANORIDGE		Signature 		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Larry Preble		Signature 		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature 		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840749

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075			
4. Phone () 405 601-8585				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14		
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone		
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-8745 X201			14. US EPA ID Number		15. Facility's Phone		
16. Waste Shipping Name and Description			17. Republic Services Approval # and Exp. Date		18. Containers	19. Total Quantity	20. Unit Wt/Vol
					No.	Type	NONE
a. STABILIZED SOIL 4182165540 Exp 3/28/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 1) #340							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature [Signature]		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 5/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 4/26/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840750

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of 1						
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075						
4. Phone () 405 501-9595				6. Phone ()						
7. Transporter #1 Company Name Boomer Environmental, LLC			8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14					
10. Transporter #2 Company Name			11. US EPA ID Number		12. Transporter #2's Phone					
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201			14. US EPA ID Number		15. Facility's Phone					
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182165540 EXP 3/28/2017 b. c.			17. Republic Services Approval # and Exp. Date		18. Containers	19. Total Quantity NONE	20. Unit Wt/Vol			
					No.			Type		
21. Additional Descriptions for Materials Listed Above 1)										
22. Special Handling Instructions and Additional Information										
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.										
Printed/Typed Name ERIC STANDRIDGE			Signature Eric Standridge			Month Day Year 4/14/16				
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials			Printed/Typed Name Tom Watson			Signature Tom Watson		Month Day Year 4/26/16	
	25. Transporter #2: Acknowledgement of Receipt of Materials			Printed/Typed Name			Signature		Month Day Year	
	26. Discrepancy Indication Space									
T/S/D FACILITY	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)									
	Printed/Typed Name Lester			Signature Lester			Month Day Year 4/26/16			

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840751

Please print or type:

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075			
4. Phone () 405 801-0000				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182155540 EXP 3/28/2017							
b.							
c. 1142							
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature Eric Standridge		Month Day Year 4/14/16	
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials						
	Printed/Typed Name Scott Nelson		Signature Scott Nelson		Month Day Year 4/26/16		
TRANSPORTER	25. Transporter #2: Acknowledgement of Receipt of Materials						
	Printed/Typed Name		Signature		Month Day Year		
T/S/D FACILITY	26. Discrepancy Indication Space						
	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)						
Printed/Typed Name Lee				Signature Lee		Month Day Year 4/24/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840752

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-8888				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers No. Type	
a. STABILIZED SOIL 4182155540 EXP 3/28/2017				19. Total Quantity NONE	
b.				20. Unit Wt/Vol	
c.					
21. Additional Descriptions for Materials Listed Above " #201					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Robbie Harrington		Signature Robbie Harrington		Month Day Year 6/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Lee		Signature Lee		Month Day Year 4/26/18	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840753

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075			
4. Phone () 405 601-5585				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 York Rd Stillwater OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182165340 EXP 3/28/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name Lawrence Philip / owner				Signature		Month Day Year 4/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Lee				Signature		Month Day Year 4/26/16	

GENERATOR

TRANSPORTER

T/S/D FACILITY

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840754

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater OK 74075	
4. Phone () 405 501-9555				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity NONE	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/26/2017					
b.					
c.					
21. Additional Descriptions for Materials Listed Above f)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 11/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Larry Preble		Signature Larry Preble		Month Day Year 11/26/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name See		Signature See		Month Day Year 11/26/16	

TRANSPORTER #1



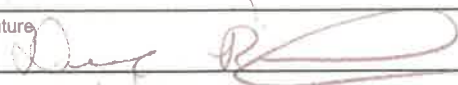
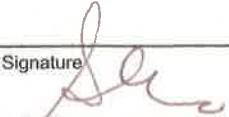
COM000033



NON-HAZARDOUS WASTE MANIFEST

1840755

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73102				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075			
4. Phone () 405 601-9885				6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 244 14			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
a. STABILIZED SOIL 4182165540 EXP 3/28/2017							
b.							
c.							
21. Additional Descriptions for Materials Listed Above 1)  15							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature 		Month Day Year 4/1/16	
24. Transporter #1: Acknowledgement of Receipt of Materials							
Printed/Typed Name David Beck				Signature 		Month Day Year 4/1/16	
25. Transporter #2: Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
26. Discrepancy Indication Space							
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)							
Printed/Typed Name Sean				Signature 		Month Day Year 4/2/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840776

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075	
4. Phone () 405 601-9695		6. Phone ()			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR000024414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
				19. Total Quantity	
				20. Unit Wt/Vol	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017				NONE	
b.					
c.					
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature Eric Standridge		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name D. J. B. B. B.		Signature D. J. B. B. B.		Month Day Year 4/20/16	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name J. C. C.		Signature J. C. C.		Month Day Year 4/20/16	

TRANSPORTER #1

COM000033



NON-HAZARDOUS WASTE MANIFEST

1840777

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of			
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City, OK 73103 4. Phone (405) 501-2525				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd. Stillwater, OK 74075 6. Phone (405) 501-2525			
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414			
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater, OK, OK 74075 405 387-9745 X201		14. US EPA ID Number		15. Facility's Phone			
16. Waste Shipping Name and Description a. STABILIZED SOIL 4182163540 EXP 3/28/2017 b. c.		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity NONE	20. Unit Wt/Vol
				No.	Type		
21. Additional Descriptions for Materials Listed Above 1)							
22. Special Handling Instructions and Additional Information							
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
Printed/Typed Name ERIC STANDRIDGE				Signature [Signature]		Month Day Year 4/4/16	
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials						
	Printed/Typed Name Larry Preble		Signature [Signature]		Month Day Year 7/20/16		
TRANSPORTER	25. Transporter #2: Acknowledgement of Receipt of Materials						
	Printed/Typed Name		Signature		Month Day Year		
T/S/D FACILITY	26. Discrepancy Indication Space						
	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)						
Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 4/20/16	

TRANSPORTER #1

Please print or type:

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Oklahoma Dept of Environmental Quality 707 N. Robinson Oklahoma City OK 73103				5. Generating Location (if different) Oklahoma Dept of Environmental Quality Sanborn Softball Field - 1201 W. Airport Rd Stillwater OK 74075	
4. Phone () 405 861-9500				6. Phone ()	
7. Transporter #1 Company Name Boomer Environmental, LLC		8. US EPA ID Number		9. Transporter #1's Phone OKR 0000 24414	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Stillwater Landfill, 1717 Yost Rd Stillwater OK OK 74075 405 387-9745 x201		14. US EPA ID Number		15. Facility's Phone	
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers	
a. STABILIZED SOIL 4182165540 EXP 3/28/2017				No. Type	
b.					
c.					
19. Total Quantity NONE		20. Unit Wt/Vol			
21. Additional Descriptions for Materials Listed Above 1)					
22. Special Handling Instructions and Additional Information #240					
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Printed/Typed Name ERIC STANDRIDGE		Signature [Signature]		Month Day Year 4/14/16	
24. Transporter #1: Acknowledgement of Receipt of Materials		Printed/Typed Name [Signature]		Signature [Signature]	
25. Transporter #2: Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
26. Discrepancy Indication Space				Month Day Year	
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name [Signature]		Signature [Signature]		Month Day Year 4/25/16	

TRANSPORTER #1

COM000033

QTY	<input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input checked="" type="checkbox"/> CREDIT CARD <input checked="" type="checkbox"/> CHARGE	
70	TOPSOIL SCREENED	70
	TOPSOIL UNSCREENED	
	RICH MIX	
	GARDEN READY	
	SCREENED RED SELECT	
	FILL DIRT	
	SANDY LOAM, UNSCREENED	
	OTHER:	
		TAX
		TOTAL
Signature: X		

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input type="checkbox"/> CHARGE
70	TOPSOIL SCREENED			
	TOPSOIL UNSCREENED			
	RICH MIX			
	GARDEN READY			
	SCREENED RED SELECT			
	FILL DIRT			
	SANDY LOAM, UNSCREENED			
	OTHER:			
	TAX			
	TOTAL			
Signature: X				



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9710

DATE: 5-6-16

NAME: Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input type="checkbox"/> CHARGE	
20					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX
					TOTAL
Signature: X					



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9711

DATE: 5-6-16

NAME: Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input type="checkbox"/> CHARGE	
20					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX
					TOTAL
Signature: X					



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9706

DATE: 5-6-14

NAME: Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input checked="" type="checkbox"/> CHARGE	
20					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX
					TOTAL
Signature: X					



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9707

DATE: 5-6-16

NAME: Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input type="checkbox"/> CHARGE	
20					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX
					TOTAL
Signature: X					



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9722

DATE: 5-11-14

NAME:

Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input checked="" type="checkbox"/> CHARGE	
20					20
					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX
					TOTAL 358.80
Signature: X W. D. Stood					



326 N. Council Rd.
OKC, OK 73127
(405) 789-2068

No. 9449

DATE: 5-6-16

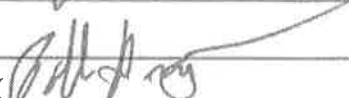
NAME:

Adventure/Boomer

www.minickmaterials.com

QTY	<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK	<input type="checkbox"/> CREDIT CARD	<input type="checkbox"/> CHARGE	
20					264.00
					TOPSOIL SCREENED
					TOPSOIL UNSCREENED
					RICH MIX
					GARDEN READY
					SCREENED RED SELECT
					FILL DIRT
					SANDY LOAM, UNSCREENED
					OTHER:
					TAX 23.03
					TOTAL 287.03
Signature: X [Signature]					

NAME: Doomell
www.minickmaterials.com

QTY	<input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input type="checkbox"/> CREDIT CARD <input checked="" type="checkbox"/> CHARGE	
20	TOPSOIL SCREENED	20
	TOPSOIL UNSCREENED	
	RICH MIX	
	GARDEN READY	
	SCREENED RED SELECT	
	FILL DIRT	
	SANDY LOAM, UNSCREENED	
	OTHER:	
		TAX
		TOTAL
Signature: 		

NAME: DOOMER / Ad / 16
www.minickmaterials.com

QTY	<input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input type="checkbox"/> CREDIT CARD <input checked="" type="checkbox"/> CHARGE	
40	TOPSOIL SCREENED	40
	TOPSOIL UNSCREENED	
	RICH MIX	
	GARDEN READY	
	SCREENED RED SELECT	
	FILL DIRT	
	SANDY LOAM, UNSCREENED	
	OTHER:	
	TAX	
	TOTAL	
Signature: X		