ENGINEERING EVALUATION AND COST ANALYSIS

for

NON-TIME-CRITICAL
RESIDENTIAL YARD SOILS REMOVAL ACTIONS

DIAMOND, GRANBY, JASPER COUNTY OVERLAP,
SENECA - SPRING CITY - SPURGEON,
STARK CITY, AND WENTWORTH
MINING SUBDISTRICTS

Of the

NEWTON COUNTY, MISSOURI, MINE TAILINGS SITE

Prepared by
The Newton County Respondents

August 8, 2001

TABLE OF CONTENTS

LIST OF TABLES

Executive Summary
Engineering Evaluation / Cost Analysis
for Residential Yard Soil
Newton County Mine Tailings Site
Newton County, Missouri

Purpose

The purpose of this engineering evaluation/cost analysis (EE/CA) is to screen and evaluate removal action alternatives for lead and cadmium contaminated residential yard soil at the Newton County Mine Tailings Site in Newton County, Missouri. The purpose of this Newton County Residential Yard Soils EE/CA is to satisfy the requirements of Section 300.415 of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). An EE/CA is an accelerated version of an FS report and is required when a non-time-critical removal action is deemed appropriate, as opposed to remedial actions under the Remedial Investigation/Feasibility Study approach (See EE/CA Approval Memo dated August 10, 2001). The EE/CA serves the purpose of documenting the process of developing, evaluating, and selecting removal action alternatives and technologies, and satisfying the administrative record and environmental review requirements of the NCP (Section 300.415(b)(4)(I)). This EE/CA complies with guidance contained in OSWER Directive 9360.0-32, *Conducting Non-Time-Critical Removal Actions Under CERCLA* (EPA, 1993).

Site Background

The Newton County Mine Tailings Site is located in the extreme southwest corner of the State of Missouri. The Site is within the Missouri portion of the Tri-State Mining District that covers approximately 2,500 square miles in northeast Oklahoma, southeast Kansas, and southwest Missouri. The Tri-State District was one of the foremost lead-zinc mining areas in the world, producing lead and zinc continuously from 1850 until 1970. The majority of the production in the Missouri portion of the District came from underground mining, but the ores were all milled on the surface. Milling processes included crushing, grinding, gravity concentration, and froth floatation. Mining, milling, and smelting wastes were generally deposited on the ground surface. These wastes include development rock, chat, sands, fine tailings, and slag, which were disposed of on the ground surface. Additionally, smelting of the ore occurred in the city of Granby from the early 1850s through the 1920s. Several minor smelters were also located along Shoal Creek in the northwest portion of the county. The mine wastes and smelter activities have contributed to soil and water contamination throughout portions of the county.

Scope and Objective of the Removal Action

The objective of this non-time-critical removal action at the Site is to mitigate the threat to public health or welfare resulting from exposure to metals-contaminated soil from historic mining and smelting activities at the Site. The scope of the removal action evaluated by this EE/CA is limited to residential yards exceeding the action level described in Section 2.5

(Streamlined Risk Assessment) of this report. Based on the risk assessment summary presented in Section 2.5 of this EE/CA report and in FS reports for other sites within the Tri-State Mining District, a single removal action objective (RAO) is identified for the residential yards in Newton County, as follows:

- Reduce public exposure to metal contaminants of concern (COCs) in residential yard soils from historic mining, milling, or smelter activities that would potentially result in an excess cancer risk greater than 10^{-6}, a non-carcinogenic hazard index of greater than 1, or blood lead levels causing excessive health risks. (No more than a 5 percent chance of an individual child less than 7 years old within the Site exhibiting blood lead levels greater than 10 _g/dl is one measure of excessive risks in children).

Removal Alternatives Assessment

The EE/CA presents evaluations of various options for addressing contamination at the site. EPA compares the alternatives under consideration on the basis of effectiveness, cost, implementability, and other factors. The following alternatives were evaluated for the Newton County Mine Tailings Site.

- No Action – The NCP (Section 300.430(e)(6)) requires consideration of a no action response as a baseline for comparing other technologies in the alternative selection process. The no action alternative was not carried forward in the EE/CA because a no-action response fails to address the potential risks associated contamination at the site.

- In-Place Containment – Technologies in this category are designed to create permanent physical barriers between source materials and potential receptors. Typical barriers include soil covers, vegetation covers, asphalt or concrete covers, or synthetic membrane cover systems. Vegetation covers have proven effective in reducing short-term human exposure to lead in residential yards, but not considered effective for providing long-term protection because the cover may be lost or damaged over time under residential conditions. Also, other types of cover systems generally prevent residents from being able to use their yards in the normal manner and would not be acceptable to the public. No removal alternatives based on in-place containment were developed or evaluated in the EE/CA.

- In-Place Stabilization – Technologies in this category include methods of immobilizing the metal contaminants in soils, usually through the use of mixing chemical stabilizing agents into the soils. To date, the long-term protectiveness and reliability of stabilization for metals remains unproven. Therefore, an alternative based on this technology was not developed for the EE/CA .

- Treatment – Treatment technologies include methods of reducing the toxicity, mobility, or volume (TMV) of contaminants in soils or source materials. Some stabilization technologies may also be considered treatment technologies. However, other methods of removing or immobilizing metals from soils are being investigated, such as phyto-remediation, soil flushing, or soil washing. These treatment technologies are considered innovative, and unproven over the long term. Therefore, despite the preference for alternatives based on TMV reductions through treatment, no removal alternatives based on treatment were developed to address the Newton County yard soils.

- Excavation and On-Site or Off-Site Disposal – Excavation and disposal reduces risks by breaking the exposure pathway through removal of the affected materials. Precedents exist for the selection of excavation and on-site disposal as a presumptive remedy at the Site. Excavating source materials and metal contaminated soils from residential yards and replacing the excavated materials with clean soils to address human exposure to the metals of concern was the selected remedy for time-critical and non-time-critical removal actions, as well as remedial actions in several Tri-State District sites.

EPA'S PREFERRED ALTERNATIVE

After comparing the alternatives, EPA's preferred alternative for the Newton Mine Tailings Site is excavation and on-site disposal. All residential yards with a yard soil average greater than 400 parts per million lead will be excavated to a maximum depth of 12 inches. The excavated soil will be disposed at the soil repository established for the Newton County time-critical removal action, located south of Granby. Excavated soil will be replaced with clean topsoil, and the yards re-graded to approximately the original grade, then re-seeded.

This alternative meets the requirements for overall protection of human health and the environment. A final decision on how to address the contaminated residential yards at the site will not be made until after the comments received during the public comment period are reviewed.

Since the estimated cost of the proposed removal alternative exceeds the statutory limitations, a consistency waiver from the statutory limitation on cost is required to conduct this action.

Approved:

Michael J. Sanderson, Director
Superfund Division

8-15-01
Date

1.0 INTRODUCTION

This document presents the engineering evaluation and cost analysis (EE/CA) for the non-time-critical residential yard removal actions planned for the Newton County, Missouri, Mine Tailings Site (the Site). The EE/CA is prepared in partial fulfillment of the Administrative Order on Consent (AOC) dated June 18,1997, between the U.S. Environmental Protection Agency, Region VII (EPA), and the Newton County Respondents, consisting of Blue Tee Corporation and ASARCO Incorporated (Docket No. VII-96-F-0022). Although the AOC and the Respondents' obligations pertain only to the Diamond and Granby Subdistricts, the scope of this residential yard EE/CA has been expanded by agreement between EPA and the Respondents to include all six of the mining subdistricts identified within the Site. The six Newton County subdistricts include the following:

- Diamond
- Granby
- The Newton County Portion of the Jasper County Overlap
- Seneca - Spring City – Spurgeon
- Stark City
- Wentworth

Non-time-critical removal actions are conducted when EPA determines that a removal action is appropriate for addressing priority risks to move sites quickly through the Superfund process. In contrast to the remedial investigation/feasibility study (RI/FS) process, removal actions are intended to advance the goals of the Superfund Accelerated Cleanup Model (SACM) by accomplishing significant reductions in high priority risks in a shorter timeframe.

The purpose of this Newton County Residential Yard Soils EE/CA is to satisfy the requirements of Section 300.415 of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). An EE/CA is an accelerated version of an FS report and is required when a non-time-critical removal action is deemed appropriate, as opposed to remedial actions under the RI/FS approach (See EE/CA Approval Memo dated August 10, 2001). The EE/CA serves the purpose of documenting the process of developing, evaluating, and selecting removal action alternatives and technologies, and satisfying the administrative record and environmental review requirements of the NCP (Section 300.415(b)(4)(I)). This EE/CA complies with guidance contained in OSWER Directive 9360.0-32, *Conducting Non-Time-Critical Removal Actions Under CERCLA* (EPA, 1993).

2.0 SITE CHARACTERIZATION

This section summarizes the site characterization information available for the Site, including the following:

- Site location, description, and history;
- Previous removal actions;
- Sources, nature and extent of contamination;
- Analytical data;
- Risk characterization.

2.1 Site Location, Description and History

The Site location, physical description, and mining and regulatory history are presented in the following subsections of this EE/CA report.

2.1.1 Site Location

The Newton County Mine Tailings Site is located in the extreme southwest corner of the State of Missouri. Newton County is bordered on the west by the States of Kansas and Oklahoma; on the north by Jasper County, Missouri; on the east by Lawrence and Barry County, Missouri; and on the south by MacDonald County, Missouri. The three-state area including southwest, Missouri; Cherokee County, Kansas; and Ottawa County, Oklahoma is known as the Tri-State Mining District that historically produced large quantities of lead and zinc.

2.1.2 Site Description

Newton County is located on the northwest flank of the Ozark uplift region. Ground elevations range from 1,200 to 1,000 feet above mean sea level. The topography slopes gently to the northwest in the northern and eastern parts of the county, whereas the southwestern part of the county slopes generally south to southwest. Adjacent to major drainage ways, the slopes are steep and the topographic relief may be as great as 100 feet.

The geology consists of Paleozoic sedimentary rocks ranging in age downward from Pennsylvanian through Mississippian, Devonian, Ordovician, and Cambrian. The Paleozoic sediments overlie Precambrian igneous basement rocks at depths ranging between about 1,700 to 1,800 feet. Sediments lying below the Pennsylvanian shale and sandstone deposits are carbonate rocks composed of cherty limestones, cherty dolomites, and dolomites.

The regional dip of the Paleozoic rocks is towards the northwest. Regional structure consists of gently-folded anticlines and synclines that plunge to the northwest away from the Ozark uplift. Dissolution of the Mississippian limestones has resulted in numerous sink holes and brecciated zones. These open areas created by carbonate dissolution typically host the lead and zinc ores that were mined throughout the region.

Minerals of economic value in the region consist of lead and zinc sulfides, including galena and sphalerite. Other non-economic sulfides are also present in the mineralized zones, such as the iron sulfides of chalcopyrite, pyrite, and marcasite. The sulfide minerals occur as hydrothermal disposits in brecciated zones and dissolution features with some disseminated mineralization in secondary jasperoid surrounding the hydrothermal deposits. In addition to the sulfide mineralization, some small outcroppings of lead and zinc oxides were mined during the early days of the District's history.

Newton County is part of a major river drainage basin system that includes the Spring and Neosho Rivers. The Spring River merges with the Neosho River approximately 8.5 miles southwest of Seneca, Missouri. These two rivers form the Lake of the Cherokees just down stream of the their confluence in Oklahoma. Numerous ephemeral and perennial tributaries drain the subdistricts and flow into other larger tributaries of the Spring/Neosho River basin. Most of the northern part of the county drains to Shoal Creek, including all of the Diamond, Granby, Jasper County Overlap, and Wentworth Subdistricts, and parts of the Seneca - Spring City – Spurgeon and Stark City Subdistricts. Shoal Creek is a major tributary of the Spring River and is an important regional water resource. Shoal Creek is the source of drinking water for several

an important regional water resource. Shoal Creek is the source of drinking water for several Newton County communities. The southeastern portion of the county drains to the Neosho River and Lake of the Cherokees, including parts of the Seneca – Spurgeon – Spring City and Stark City Subdistricts. Lost Creek, Buffalo Creek, and Indian Creek are the major tributaries of the Neosho River that drain the southern most subdistricts.

Groundwater throughout most of the Tri-State District, including Newton County, occurs in two aquifers, known as the "shallow" and "deep" aquifers. These aquifers are separated throughout most of the region by confining layers of relatively impermeable shale and limestone rock. The shallow aquifer occurs in permeable zones in Mississippian rocks where most of the mining occurred. Water yields from the shallow aquifer are highly variable because of the extremely heterogeneous nature of the aquifer resulting from karst features, breccias, joints, and bedding planes. The depth to groundwater in the shallow aquifer ranges from about 60 to 150 feet below ground surface. Some rural residents of the county use shallow groundwater for domestic purposes, including drinking water.

The deep aquifer is contained in Ordovician and Cambrian dolomites and sandstones. Again, the transmissivity of the deep aquifer is characterized by vertical and lateral heterogeneity due to the presence of solution channels. The deep aquifer is the primary source of drinking water for several towns in Newton County, including Diamond, Granby, Seneca, and Stark City.

Newton County soils developed from one of three sources. The three sources included Mississippian limestones, Pennsylvanian shales and sandstone, or wind deposited loess that covered the area during the Pleistocene epoch. County soils consist of silty loam with red clay and chert, and coarser soils generally located in areas of hilly topography.

The climate in Newton County is characterized as humid continental, with hot summers and cold winters with high humidity. Missouri experiences an average of 40 to 60 rainy days per year with thunderstorms and an average of 6 tornadoes per month from April to June. Winter months are characterized by alternating freezing and thawing temperatures. The mean monthly temperature in Neosho, the county seat, ranges from 34°F in January to 79°F in July. Daily temperature variations of about 20°F occur year round. The average annual precipitation is 40.87 inches. Approximately 60 percent of the annual rainfall occurs between April and September. Average monthly rainfall measured at Neosho during the period 1952 through 1980 ranges from 1.51 inches in January to 4.28 inches in June. An annual average of 12.2 inches of snow falls during the coldest months, December through March (Dames & Moore, 1998).

According to the latest 2000 census data, the population of Newton County is 52,636. Population data indicate the county grew from approximately 27,000 residents in 1900 to 44,445 residents at the time of the 1990 census. The population is predominantly rural. The primary land use within the mining subdistricts is as agricultural crop and pasture land. Industrial activities consists of light manufacturing, aggregate production, and construction.

2.1.3 Site Mining History

The Newton County Site is within the Missouri portion of the Tri-State Mining District that covers approximately 2,500 square miles in northeast Oklahoma, southeast Kansas, and southwest Missouri. The Tri-State District was one of the foremost lead-zinc mining areas in the world, producing lead and zinc continuously from 1850 until 1970. The majority of the production in the Missouri portion of the District came from underground mining, but the ores were all milled on the surface. Milling processes included crushing, grinding, and gravity

extensively used in the Missouri portion of the District due to the free-milling nature of the ores and the general curtailment of mining after about 1920 (Dames & Moore, 1998).

Mining, milling, and smelting wastes were generally deposited on the ground surface. These wastes include development rock, chat, sands, fine tailings, and slag. Development rock consists of oversized waste rock extracted from the mine level that was too large and low grade to warrant milling. Development rock is composed mainly of Mississippian limestone and jasperoid.

Milling wastes are classified into three general categories based on size, including the following:

- Chat – gravel-sized angular rock fragments from the jigging operation;
- Sands – ranging in size from #20 to #65 mesh from the shaking tables;
- Fine tailings – silt to clay sized particles smaller than #200 mesh from the gravity separation or floatation processes.

Chat and sands were typically disposed of together in large piles called chat piles. These piles have been quarried for aggregate, road base, railroad ballast, and fill materials to such an extent that very little of the original volume of chat remains on the Site today. The fine tailings were usually deposited in bermed areas or ponds and have not been extensively recycled due to their small grain size. Fine tailings found throughout the Tri-State District may also be the result of chat washing operations.

Slag is a relatively inert waste consisting of oxides of the gangue minerals resulting from the smelting process.

2.1.4 Regulatory Background

EPA previously included three mining sites within the Tri-State District on the Superfund National Priority List (NPL), including Tar Creek, Oklahoma; Cherokee County, Kansas; and Jasper County, Missouri. The Newton County portion of the District has not been included on the NPL but may be added to the list in the future. The six mining subdistricts within Newton County were identified by the US Geological Survey and Bureau of Mines based on lead and zinc production records. The Jasper County Overlap is not considered a recognized subdistrict, but is the southern extension of several subdistricts or designated areas (DAs) with the Jasper County, Missouri, Site located immediately north of Newton County. A RI was previously completed for the Jasper County Site (Dames & Moore, 1995) and several operable units (OUs) have either been or are in the process of being remediated, including smelter-affected residential yards, mining-affected residential yards, and groundwater OUs.

In June 1997, EPA and the Respondents entered into an AOC for time-critical removal actions in the Diamond and Granby Subdistricts. In addition to the time-critical removals, the 1997 AOC requires the Respondents to perform the following actions:

- Conduct a Removal Site Evaluation, including preparation of a sampling and analysis plan (SAP) and conduct drinking water and yard soils investigations. The Final SAP was submitted to EPA on October 20, 1997 (Dames & Moore, 1997). The yard soils investigation was conducted in 1997 and 1998. During the investigation, the Respondents' contractor,

Dames & Moore, collected over 1,400 composite soil samples from 471 urban and rural residential yards. The drinking water investigation began in 1997 and is still ongoing;

- Prepare and submit a Site Removal Evaluation Memorandum (SREM) summarizing the findings of the drinking water and yard soils investigations. A draft SREM was prepared in September 1998 but has not been formally approved by EPA because the drinking water investigation is ongoing;

- Prepare and submit this EE/CA for the non-time critical removal actions.

In addition to the Respondents' activities in the Diamond and Granby Subdistricts, EPA conducted its own Superfund-led investigations of the remaining four subdistricts. The fund-lead investigations were conducted by EPA contractors, including Black & Veatch and Ecology and Environment, Inc. (E&E). Together, Black & Veatch and E&E collected and analyzed 3785 composite samples, mostly in the rural areas of the subdistricts. No reports summarizing the findings of the fund-led investigations have been prepared, to date.

In order to determine if non-time-critical removal actions are necessary to protect human health or the environment, EPA established a two-part criterion for triggering non-time-critical removal actions. Under EPA's criterion, any composite soil samples containing an average lead concentration exceeding 400 mg/kg requires either cleanup or resampling of the quadrant of the yard corresponding to the original composite sample. If resampling is the selected option, any discrete sample exceeding a maximum lead concentration of 800 mg/kg triggers a removal action for the corresponding quadrant. If no discrete samples exceed 800 mg/kg, no removal action is required.

2.2 Previous Removal Actions

The AOC for Newton County specifies a time-critical action level for lead in residential yard soils of 2,500 mg/kg. Under EPA's Newton County Time-Critical Removal Action Plan (RAP), the 2,500 mg/kg action level triggers cleanup of the affected yard soils to an average lead concentration of 500 mg/kg. The SREM (Dames & Moore, 1998) and subsequent additional sampling activities identified a total of 17 residential yards and licensed day care centers in the Diamond and Granby Subdistricts exhibiting soil lead concentrations above the AOC trigger level of 2,500 mg/kg.

Based on the SREM sample results, time-critical removal actions were initiated by the Respondents in accordance with the RAP. During the removal actions, soils were excavated in 6-inch lifts until they exhibited average lead levels less than 500 mg/kg. The excavated soil was replaced with clean topsoil that was then reseeded. If the excavation reached a depth of 12 inches and the soils were still above the average 500 mg/kg clean-up level, an orange plastic barrier fence was laid over the ground and buried beneath the back-filled topsoil to warn future residents of the potential risks of excavating the yard soils below 12 inches. A total of 14 residential yards were ultimately remediated by the Respondents during the1999 time-critical yard soil removal action. The owners of 3 other residences exceeding the time-critical action level refused to grant the access needed to conduct any removal actions.

Beginning in April of 2000, EPA conducted its own yard soils investigation in the Jasper County Overlap, Seneca – Spring City – Spurgeon, Stark City, and Wentworth Subdistricts. Sampling was concluded in the fall of 2000.

As part of the 1999 Newton County time-critical removal actions, an on-site soil repository was constructed in the Granby Subdistrict. EPA established the repository under the Corrective Action Management Unit (CAMU) rule under 40 CFR Part 264.522 of the RCRA Subtitle C regulations. During the removal action, approximately 7,200 cubic yards of soils excavated from the Granby yards were placed in the repository. Approximately 2,000 cubic yards of soil placed in the repository were stabilized prior to disposal to reduce their potential to leach lead to meet the Toxicity Characteristic Leaching Procedures (TCLP) cutoff levels established under RCRA. The stabilization method consisted of mixing the soils with a phosphate stabilization admixture developed specifically for the Newton County soils.

In addition to the yard soil removal action, the Respondents also conducted a time-critical action related to drinking water. Under the Newton County time-critical drinking water removal action, households with shallow aquifer wells are supplied with bottled water if the well water exceeds the action levels for lead, cadmium or zinc.

Prior to the removal actions in Newton County, time-critical removal actions were undertaken in the Jasper County, Missouri, Site. In 1994, MDOH released an exposure study indicating certain children in the Joplin area were at risk due to lead exposure (MDOH, 1994). In 1995-1996, as a result of the MDOH study, EPA conducted time-critical soil removal actions at 6 day-care centers in Jasper County, and at over 297 residential yards exceeding the action level of 2,500 mg/kg lead around the Eagle-Picher smelter site in Joplin and mining piles in the county. Approximately the same removal techniques were employed in Joplin and Galena in 1995-1996 as were used in Newton County during the 1999 time-critical removals. In addition, a soil repository was established in Jasper County similar to the repository built in Newton County.

Subsequent to the time-critical removal actions in Joplin, EPA released its *Feasibility Study for the Residential Yard Soils Operable Units for the Jasper County Site* (EPA, 1996). This FS report supported the selection of a remedial alternative consisting of the excavation of affected yard soils, the disposal of soils in an on-site repository, the replacement of excavated materials with clean soils, and the replacement of the lawns. This alternative was selected in the record of decision (ROD) for the residential soils operable units. To date, 2350 residential yards in Joplin have been remediated under the ROD. The Jasper County yard soils FS report established a non-time-critical action level for yard soils of 800 mg/kg lead and 500 mg/kg lead for vegetable gardens, based on discrete samples.

2.3 Source, Nature, and Extent of Contamination

The sources of yard soil contamination in Newton County are varied. Some residences in the subdistricts may be built on former milling or smelting sites resulting in residential yards that exhibit elevated cadmium, lead, or zinc levels. Chat or other mill wastes may have been used for fill or driveway surfacing materials in the construction of some residences resulting in elevated levels of these constituents of concern. In some rare instances, wind blown or water transported chat or tailings may contribute to elevated metals levels in yards close to mill waste deposits.

Peeling or flaking house paint is also known to be a significant source of lead contamination around homes built prior to 1974 when lead based paint was banned in the U.S. Dames & Moore's sampling protocols for the removal site evaluations were designed to minimize interference from paint contamination (Dames & Moore, 1997). However, Black & Veatch sampled soils from the drip zones of houses, i.e. soils within 24 inches of the foundations. Many residences sampled by Black & Veatch exhibited elevated lead concentrations only in the drip-zones. For this reason Black & Veatch's drip zone sample results are not considered indicative of

mine, mill, or smelter contamination. Drip zone sample results are not used in this EE/CA to identify potentially affected yards or as a basis for taking any removal actions. EPA considers the homeowners responsible for addressing possible lead-based paint contamination in their yards.

Based on yard soil sampling results compiled to date, the distribution of Newton County households with affected yards is summarized in Table 2-1.

Table 2-1
Distribution of Affected Residential Yards in Newton County, Missouri

Location	Reported Soil Lead Concentrations		
	400 to 800 mg/kg	800 to 2,500 mg/kg	Over 2,500
Dames & Moore Samples[1]			
Urban Diamond	1	1	0
Rural Diamond	1	0	0
Urban Granby	57	44	17[3]
Rural Granby	3	1	0
Black & Veatch and Ecology and Environment Samples[2]			
Diamond	1	2	0
Granby	0	1	0
Joplin	34	21	6[4]
Neosho	6	5	2[4]
Pierce City	1	0	0
Seneca	4	1	0
Wentworth	2	0	0
Total All Locations	109	76	25[5]

Notes:

1. Dames & Moore Revised Draft Site Removal Evaluation Memorandum for Newton County, Missouri, September 1998.

2. Black & Veatch and Ecology and Environment, Inc. unpublished yard soil sampling data, April through December 2000. The numbers in this table do not include any residences where drip zone samples were the only exceedances of any of the action levels.

3. The Respondents conducted removal actions at a total of 14 yards exceeding the time-critical action level in 1999, but the owners of 3 of the 17 identified residences refused access to conduct removal actions.

4. As of August 2001, no removal actions have been conducted in these yards identified by Black & Veatch as exceeding the time-critical action levels.

5. Of these 25 yards identified as exceeding the time-critical action levels, 14 have already been remediated and 3 refused access to conduct the removal actions. Hence, only 8 yards have been identified that remain to be addressed under the time-critical removal actions.

2.4 Analytical Data

The available analytical data for the Newton County yard soils investigations are presented in Appendix A of this EE/CA.

A human health risk assessment specifically addressing Newton County has not been conducted. However, numerous reports are available from the Jasper County, Missouri, and Cherokee County, Kansas, Sites that provide guidance for evaluating potential human health risks from

residential yard soil contamination. The Jasper and Cherokee County risk assessments are particularly relevant to the circumstances in Newton County due to the proximity and physical, historical, and land use similarities shared by these three sites. The risk assessment guidance available for the Newton County Site is summarized, as follows:

- *Development of a Risk-Based Clean-up Level for Cadmium in Residential Soils* (Dames & Moore, 1994) – identified cadmium and lead as the primary human health risks in the Cherokee County, Kansas, Site. A clean-up level of 75 mg/kg for cadmium was set in Cherokee County; and EPA, MDNR, and MDOH agreed this level will also apply to the Jasper County Site.

- *Proposed Strategies for Response Actions in the Oronogo-Duenweg Mining Belt, Jasper County, Missouri, and Cherokee County, Kansas, Portions of the Tri-State Mining District* (EPA, 1994) – outlined removal and remedial strategies for yard soils in the Tri-State District. Based on the conclusions and recommendations of the strategy, no active measures are deemed required where lead concentrations are below 500 mg/kg.

- *Human Health Risk Assessment (HHRA) for the Jasper County Site* (MDOH, 1995) – identified arsenic, cadmium, lead, and zinc as the principle contaminants of concern (COCs). Also, the HHRA concluded that a maximum concentration of 800 mg/kg lead is the appropriate site clean-up level for remediation of residential yard soils provided health education is effective in reducing risks from home gardening and interior dust. This conclusion was based on results from EPA's Integrated Exposure Uptake Biokinetic Model (IEUBK) that showed less than 5 percent of children would exceed the EPA criterion of a 10 µg/dl blood lead level. Modeling scenarios other than exposure to residential yard soils exceeding the clean-up levels predicted no excess human health risks would result.

As stated in Section 2.1 of this EE/CA report, EPA's non-time-critical removal action level for Newton County consists of either an average lead concentration exceeding 400 mg/kg or a maximum lead concentration exceeding 800 mg/kg. If any composite XRF samples indicate the average lead concentration exceeds 400 mg/kg for a given quadrant, the option is available to either resample that quadrant or conduct the removal action. If resampling is the selected option, any discrete sample exceeding a maximum lead concentration of 800 mg/kg triggers a removal action for the corresponding quadrant. If no discrete samples exceed a maximum lead concentration of 800 mg/kg, no removal action is required. Resampling of any yards will be conducted in accordance with the procedures described in the SAP (Dames & Moore, 1997). However, discrete samples will be collected and analyzed in the field, instead of field composites.

3.0 IDENTIFICATION OF REMOVAL ACTION SCOPE, GOALS, AND OBJECTIVES

This section summarizes the removal action scope, goals, and objectives in accordance with EPA guidance for preparing EE/CA reports (EPA, 1993). This section also describes the schedule for the removal actions, potential applicable or relevant and appropriate requirements (ARARs) for the anticipated actions, and evaluates the project for compliance with the statutory limits on removal actions.

3.1 Removal Action Scope

The scope of the removal action evaluated by this EE/CA is limited to residential yards exceeding the action level described in Section 2.5 (Streamlined Risk Assessment) of this report. Potential groundwater and drinking water issues in Newton County are to be addressed by a separate EE/CA and removal action.

3.2 Removal Goals and Objectives

Based on the risk assessment summary presented in Section 2.5 of this EE/CA report and in FS reports for other sites within the Tri-State Mining District, a single removal action objective (RAO) is identified for the residential yards in Newton County, as follows:

- Reduce public exposure to metal contaminants of concern (COCs) in residential yard soils from historic mining, milling, or smelter activities that would potentially result in an excess cancer risk greater than 10^{-6}, a non-carcinogenic hazard index of greater than 1, or blood lead levels causing excessive health risks. (No more than a 5 percent chance of an individual child less than 7 years old within the Site exhibiting blood lead levels greater than 10 µg/dl is one measure of excessive risks in children).

3.3 Removal Schedule

EPA anticipates this EE/CA report will be available for public comment for 30 days in August and September of 2001. Approval of the EE/CA is expected in mid September 2001. EPA expects removal actions to begin during the autumn of 2001 and continue through summer of 2002.

3.4 Identification of Potential ARARs

This section summarizes the potential ARARs preliminarily identified for the Newton County non-time critical removal actions. In addition, this section identifies various guidance documents, advisories, and criteria that are not ARARs but may be useful in developing and evaluating removal actions in Newton County. This category of guidance documents, advisories, and criteria is known as guidance "to be considered," or TBCs. TBCs provide particularly important guidance in yard soil removal actions because no chemical-specific ARARs exist for soils.

The preliminary identification of ARARs and TBCs for the Newton County yard soils actions are summarized in Table 3-1. The legal requirements and guidance presented in this table are considered preliminary because EPA and the State of Missouri will make the final determination on ARARs and TBCs for the Site.

BLE 3-1

POTENTIAL FEDERAL AND STATE ARARs AND GUIDANCE TO BE CONSIDERED
NEWTON COUNTY YARD SOILS EE/CA

Standard, Requirement, Criteria, or Limitation	Citation	Description	Potential ARARs	To Be Considered
CHEMICAL-SPECIFIC ARARS AND TBC GUIDANCE				
FEDERAL REQUIREMENTS				
Clean Air Act – National Primary and Secondary Ambient Air Quality Standards (NAAQS)	42 USC Secs. 7401 – 7671 40 CFR Part 50	These regulations establish ambient air quality standards for emissions of lead and particulate matter. Removal actions are likely to result in release of airborne lead and dust. These regulations are applicable to "major sources" as defined under the Clean Air Act. Although removal sites in Newton County are not expected to be major sources, these regulations would be relevant and appropriate for the removal actions at the site.	X	
Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities.	OSWER Directive No. 9355.4-12. July 14, 1994	Recommends a screening level of 400 ppm for lead in residential soils. Describes a methodology for developing site-specific preliminary remediation goals and media cleanup standards. Describes a plan for soil lead cleanup at sites with multiple sources of lead. This directive provides guidance for evaluating the extent to which proposed remedial actions might enhance protection of human health.		X
Draft Soil Screening Guidance	OSWER Directive 9355.4-14FS, December 1994 EPA/540/R-94/101 and 106	Recommends the development of site-specific soil screening levels. Provides general screening levels below which areas are determined to be adequate and do not need further assessment. Further evaluation of risks is recommended for areas above the screening levels.		X
Human Health Risk Assessment (HHRA) for the Jasper County, Missouri, Site	"Area-Wide Human Health Risk Assessment for the Jasper County Superfund Site, Jasper County, Missouri". Prepared by MDOH, October 23, 1995	Evaluates site-specific baseline human health risks under current site conditions and establishes contaminant levels in environmental media at the site for protection of human health. The risk assessment data are used in determining site-specific clean up levels because ARARs are not available for soils.		X
EPA Strategies for Response Actions in the Tri-State Mining District	"Proposed Stralegy for Response Actions in the Oronogo-Duenweg Mining Belt Site, Jasper County, Missouri, and Cherokee County, Kansas". Prepared by EPA, 1994.	Presents a strategy for reducing exposure to the contaminants of concern in the Tri-State Mining District. This document recommends specific removal and response actions appropriate for the Tri-State District for reducing human health risks.		X
STATE REQUIREMENTS				
Missouri Air Conservation Law	RSMo 643 10 CSR 10	Sets ambient air quality standards for a variety of constituents, including particulate matter and lead.	X	
Missouri Department of Health – Any Use Soil Levels	19 CSR 20-9.020 (Proposed)	These proposed regulations recommend baseline levels for lead and cadmium in soil for residential or "any use" land use. However, the proposed clean up levels are extremely conservative compared to values used in the HHRA and Risk Management Strategies documents. These are not ARARs but may be TBCs.		X

LE 3-1
POTENTIAL FEDERAL AND STATE ARARs AND GUIDANCE TO BE CONSIDERED
NEWTON COUNTY YARD SOILS EE/CA

LOCATION-SPECIFIC ARARS AND GUIDANCE TO BE CONSIDERED				
FEDERAL REQUIRMENTS				
Archaeological and Historic Preservation Act	16 USC Sec. 469 40 CFR Sec. 6.301(c)	Establishes procedures to provide for preservation of historical and archaeological data which might be destroyed through alteration of terrain as a result of a Federally licensed activity or program.	X	
Archaeological Resources Protection Act	16 USC Secs. 470 aa - mm	Requires permits for any excavation or removal of archaeological resources from public or Indian lands. Provides guidance for federal land managers to protect such resources.	X	
National Historic Preservation Act	16 USC Sec. 470 40 CFR Sec. 6.301(b) 36 CFR Part 800 Executive Order 11593, May 3, 1971	Requires Federal agencies to take into account the effect of any Federally assisted undertaking or licensing on any district, site, building, structure, or object that is included in or eligible for Register of Historic Places.	X	
Historic Sites, Buildings, and Antiquities Act	16 USC Secs. 461-467 40 CFR Sec. 6.301(a)	Requires Federal agencies to consider the existence and location of landmarks on the National Registry of Natural Landmarks to avoid undesirable impacts on such landmarks.	X	
RCRA – Location Standards for Hazardous Waste Facilities	42 USC Sec. 6901 40 CFR 264.18	Requires that any hazardous waste facility located within the 100-year floodplain be designed, constructed, operated, and maintained to avoid washout. Also, contains requirements for locating facilities away from seismically active zones. These requirements are not ARARs because mining and milling wastes and soils containing these wastes are excluded from regulation as hazardous wastes, and the repository would not be a RCRA regulated hazardous waste unit. However, these regulations may provide guidance on the management and closure of the repository.		X
Fish and Wildlife Conservation Act	16 USC Secs. 2901 - 2912	Requires Federal agencies to utilize their statutory and administrative authority to conserve and promote conservation of non-game fish and wildlife species. May pertain to the soil repository site.	X	
Endangered Species Act	16 USC Secs. 1531-1544 50 CFR Parts 17, 402 40 CFR Sec. 6.302(h)	Requires that Federal agencies insure that any action authorized, funded, or carried out by the agency is not likely to jeopardize the continued existence of any threatened or endangered species or destroy or adversely modify critical habitat. Critical habitat is unlikely in residential yards, but these requirements may pertain to the repository site.	X	
STATE REQUIREMENTS				
Missouri Wildlife Code	3 CSR Sec. 10 – 4.111	Requires a determination of the presence or absence of endangered or threatened species, and provides for regulation of non-game wildlife. Places restrictions on actions affecting protected species. These requirements may be applicable to the repository site.	X	

BLE 3-1

POTENTIAL FEDERAL AND STATE ARARs AND GUIDANCE TO BE CONSIDERED
NEWTON COUNTY YARD SOILS EE/CA

ACTION-SPECIFIC ARARS AND GUIDANCE TO BE CONSIDERED				
Resource Conservation and Recovery Act (RCRA), Subtitle D, Solid Waste Regulations	42 USC Sec. 6941 40 CFR Part 257, Criteria for Classification of Solid Waste Disposal Facilities and Practices	This section of the RCRA regulations requires the closure of existing solid waste facilities, design of new landfills, and disposal of solid wastes to be in accordance with numerous standards and criteria. These standards are applicable to solid waste disposal facilities, including mining and mill waste facilities. Among other things, these regulations require that facilities be maintained to prevent wash out of solid wastes and that the public not be allowed uncontrolled access.	X	
RCRA, Subtitle C, Identification and Listing of Hazardous Wastes	RCRA Section 3001(b)(3)(A)(iii), Beville exclusion of mineral extraction and beneficiation wastes. 40 CFR Part 260 et seq.	Mine and mill wastes within the Newton County Site are specifically excluded from regulation as hazardous wastes under the Beville exclusion because they are wastes resulting from mineral extraction and beneficiation. Yard soils containing mining and milling wastes would also be excluded from regulation as hazardous wastes, and the soil repository would not be considered a RCRA regulated hazardous waste management unit. Therefore, the RCRA Subtitle C regulations are not ARARs. However, these regulations are TBCs because of the guidance they provide regarding the mining and milling waste exclusion.		X
RCRA, Subtitle C, Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	RCRA Section 3001 et seq. 42 USC Sec. 6921, et seq. 40 CFR Part 264.522, Disposal of Hazardous Wastes in Designated Corrective Action Management Units (CAMUs).	This section defines Corrective Action Management Units (CAMUs) to be used in implementing corrective actions at Superfund Sites. A CAMU is defined as a disposal site used for consolidation or placement of remediation wastes within the contaminated areas of the site. Under these regulations, placement of wastes in a CAMU does not constitute land disposal of hazardous waste and does not constitute creation of a unit subject to the RCRA land disposal restrictions and minimum technology requirements (40 CFR, Part 268). This Section of RCRA is not an ARAR because of the Beville exclusion. Nevertheless, the Newton County removal actions will comply with the requirements of the CAMU rule.		X
Toxic Substances Control Act – Strategies for Reducing Lead Exposures	EPA, February 21, 1991.	Presents strategies for reducing lead exposures by reducing the amount of lead in the environment, as well as reducing blood lead levels, especially in children.		X
DOT Hazardous Materials Transportation Regulations	49 CFR Parts 107, 171-177	Regulates transportation of hazardous materials. Would be relevant and appropriate for the transport of excavated materials within the site, but off-site disposal requirements would not apply to the Newton County removal actions.	X	
Clean Water Act - Discharge of Stormwater	40 CFR Sec. 122.21 40 CFR Sec. 122.26	Regulates point and non-point storm water discharges associated with industrial activity and construction activities; includes requirements for best management practices and for pollution prevention plans. Industrial activity includes active and inactive mining areas. These Federal standards are considered ARARs because they may be more stringent than the Missouri standards and they are relevant and appropriate to the repository site.	X	

BLE 3-1
POTENTIAL FEDERAL AND STATE ARs AND GUIDANCE TO BE CONSIDERED
NEWTON COUNTY YARD SOILS EE/CA

STATE REQUIREMENTS				
Missouri Fugitive Particulate Matter Regulations	10 CSR 10-6.170	The Missouri fugitive particulate matter regulations contain restrictions on the release of particulate matter to ambient air. These regulations are applicable to any dust emissions that occur as a result of removal actions taken at the site.	X	
Missouri Clean Water Law – Construction and Operating Permits	10 CSR 20-6.010	Requires permits for discharges from point sources of water contamination. Although permits are not required for remedial actions conducted under CERCLA, these regulations may be relevant and appropriate to corrective actions taken at the site.	X	
Missouri Clean Water Law – Storm Water Regulations	10 CSR 20-6.200	Requires permits for metal and non-metal mining facilities and land uses or disturbances that create point source discharges of storm water. These regulations define Best Management Practices for land disturbances, including practices or procedures that would reduce the amount of metals in soils and sediments available for transport to waters of the state. Permits would not be required for actions taken under CERCLA, but the substantive provisions of these regulations would be applicable. The Missouri standards would be considered ARARs only if they are more stringent than the Federal standards.	X	
Missouri Solid Waste Disposal Law	RSMo 260.200 – 345 10 CSR 80	Regulates facilities used for the disposal nonhazardous industrial, commercial, agricultural, infections, and domestic wastes. Does not apply to the disposal of overburden, rock, tailings, matte, slag, or other waste material resulting from mining, milling, or smelting. However, the regulations are considered relevant and appropriate.	X	
Missouri Metallic Minerals Waste Management Act	RSMo 444.350 – 380 10CSR 45	Regulates disposal of waste from active metallic mineral mining, beneficiation and processing. The regulations also contain technical guidelines, permitting, and closure requirements. Because these regulations contain closure standards for active metal mines, they are not ARARs but may be reviewed and considered during closure of the permanent repository which may be considered a cap on existing mine wastes.		X

3.5 Statutory Limits on Removal Actions

Section 104(c)(1) of CERCLA stipulates that the cost and duration of fund-financed removal actions may not exceed the statutory limits of $2,000,000 and 12 months, respectively. The cost and schedule for the non-time-critical removal actions for the four fund-lead subdistricts are anticipated to exceed this limit and a consistency exemption will be required for this action. The limitations of Section 104(c)(1), however, do not apply to non-fund-lead removal actions.

4.0 DEVELOPMENT AND SCREENING OF REMOVAL ACTION ALTERNATIVES

This section summarizes the process of developing and screening removal action alternatives for the Newton County Site. First, a set of candidate alternatives is developed by considering the potentially applicable technologies available for meeting the removal action objective. Then, the initial set of candidate alternatives is screened to eliminate all but the most cost-effective alternatives. In Section 5 of this EE/CA report, the alternatives retained after the screening step are evaluated on the basis of their effectiveness, implementability, and cost in accordance with EPA guidance.

4.1 Screening of Removal Action Technologies

Potentially applicable removal action technologies are screened in this section to identify a set of candidate alternatives for detailed analysis in Section 5 of this EE/CA report.

Remedial or removal technologies have been evaluated for addressing human health risks posed by mining, milling, and smelting wastes in the Tri-State District over the past decade. Technology evaluations addressing the potential risks to human health from yard soils have been conducted in the Galena, Baxter Springs, and Treece Subsites of the Cherokee County, Kansas, Site, as well as in two separate operable units in the Jasper County, Missouri, Site. Documentation of previous technology evaluations include the following sources:

- The Feasibility Study for the Baxter Springs and Treece Subsites of the Cherokee County, Kansas, Site (Dames & Moore, 1995);
- The Feasibility Study for the Residential Yard Soil Operable Units, Oronogo-Duenweg Mining Belt Site, Jasper County, Missouri (EPA, 1996).

In addition to these documents, EPA published an engineering bulletin on innovative technologies for metal contaminated soils entitled, *Technology Alternatives for the Remediation of Soils Contaminated with As, Cd, Cr, Hg, and Pb* (EPA, 1997). This document was reviewed as part of this yard soils EE/CA.

The results of rigorous technology evaluations in Cherokee and Jasper Counties indicate that general response actions for reducing human exposure to metal COCs in source materials in the Tri-State District are limited to the following:

- No Action – The NCP (Section 300.430(e)(6)) requires consideration of a no action response as a baseline for comparing other technologies in the alternative selection process. However, a no action alternative will not be carried forward in this EE/CA because a no-action response clearly fails to address the potential risks associated with residential yards soils exceeding risk-based action levels established for the site. Additionally, a no-action response would be unacceptable to the lead agencies for the Newton County Site.

- In-Place Containment – Technologies in this category of response actions are designed to create permanent physical barriers between source materials and potential receptors. Typical barriers include soil covers, vegetation covers, asphalt or concrete covers, or synthetic membrane cover systems. No precedent exists for a removal alternative based on in-place containment in residential settings. Vegetation covers have proven effective in reducing short-term human exposure to lead in residential yards, especially compared with non-vegetated yards. However, vegetative covers are not considered effective for providing long-term protection because the residual risks remain just beneath the vegetative cover, and the cover may be lost or damaged over time under residential conditions. Also, other types of cover systems generally prevent residents from being able to use their yards in the normal manner and would not be acceptable to the public. No removal alternatives based on in-place containment are developed or evaluated in this EE/CA.

- In-Place Stabilization – Technologies in this general category include methods of immobilizing the metal contaminants in soils or source materials, usually through the use of chemical, polymeric, or pozzolanic stabilizing agents that are mixed into the soils. Phosphate stabilization is a technology that has been investigated specifically for reducing the bioavailability of lead in residential yard soils. A detailed analysis of an alternative based on phosphate stabilization is presented in the Jasper County Yard Soils FS (EPA, 1996). Based on the detailed analysis, the phosphate stabilization alternative was not selected as the remedy for the Jasper County yard soils operable unit because of concerns about its long-term effectiveness. EPA stated that additional long-term treatability studies would be required before the overall protectiveness of phosphate stabilization can be confirmed. To date, the long-term protectiveness and reliability of phosphate stabilization remains unproven. Hence, an alternative based on this technology will not be developed for this Newton County EE/CA report.

- Treatment – Treatment technologies include methods of reducing the toxicity, mobility, or volume (TMV) of contaminants in soils or source materials. Some stabilization technologies may also be considered treatment technologies. However, other methods of removing or immobilizing metals from soils are being investigated, such as phyto-remediation, electrokinetics, in-situ leaching (soil flushing), or soil washing. These treatment technologies are considered innovative, unproven over the long term, or are not applicable to the specific exposure pathway and physical circumstances of the site addressed in this EE/CA report. Therefore, despite CERCLA's preference for alternatives based on TMV reductions through treatment, no removal alternatives based on treatment are developed to address the Newton County yard soils.

- Excavation and On-Site or Off-Site Disposal – Excavation and disposal reduces risks by breaking the exposure pathway through removal of the affected materials. Precedents exist for the selection of excavation and on-site disposal as a presumptive remedy at the Site. Excavating source materials and metal contaminated soils from residential yards and replacing the excavated materials with clean soils to address human exposure to the metal COCs was the selected remedy for time-critical and non-time-critical removal actions, as well as remedial actions in several Tri-State District sites, including the following:

  - Jasper County Operable Unit No. 2, Smelter Affected Residential Yards - Time-critical removals in 1995-1996, as well as remedial actions that are ongoing based on a maximum lead concentration of 800 mg/kg as the action level;

- Galena, Kansas - Time-critical removals of smelter affected yard soils in 1995-1996;

- Jasper County Operable Unit No. 3, Mining Affected Residential Yards - Time-critical removal actions, as well as remedial actions that are ongoing based on a maximum lead concentration of 800 mg/kg as the action level;

- Newton County, Missouri - Time-critical removal of residential yard soils in 1999;

- Baxter Springs and Treece Subsites of the Cherokee County, Kansas Site - Remediation of mill-waste-affected residential yard soils during summer and fall of 2000.

In addition to these Tri-State District sites, excavation and off-site disposal has been used effectively to reduce risks from smelter and mining affected soils at many other sites in the United States.

- Institutional Controls - In addition to the engineering controls described above, institutional controls may play an important role in reducing or preventing residential exposures to lead and other toxic metals. During the 1990s, EPA established numerous programs aimed at reducing lead exposure in children and adults. These and other programs provide a basis for institutional controls that may be implemented as part of any removal actions implemented in Newton County. Examples of institutional controls include educational programs on gardening and household dust control, requirements for new residential development to limit yard soils exposure, and controls on the use of mill wastes for certain types of construction, such as for day care or play field surfacing.

4.2 Screening of Removal Action Alternatives

Based on the precedents for excavation and disposal established at so many other sites and the lack of other proven alternatives specifically addressing yard soils, excavation and disposal is selected for use at the Site as a presumptive remedy. Presumptive remedies involve the use of remedial technologies that have been selected in the past at other similar sites for similar contaminants. As stated in EPA's EE/CA guidance document (EPA, 1993), only the most qualified technologies that apply to the specific circumstances of the site should be discussed in the EE/CA. The guidance supports the use of a presumptive remedy to provide immediate focus to the EE/CA and speed the process. Excavation and on-site disposal meets the criterion of a presumptive remedy established by this guidance. In addition, the existence of the soil repository constructed during prior removal actions in Newton County supports the selection of excavation and on-site disposal as a presumptive remedy at this Site.

5.0 DETAILED EVALUATION OF REMOVAL ACTION ALTERNATIVES

In this section, the removal alternative retained after the initial screening step is evaluated on the basis of its effectiveness, implementability, and cost in accordance with EPA guidance. Based on the technology screening presented in Section 4 of this EE/CA report, only one alternative is being carried forward to the detailed analysis step. This alternative is the presumptive remedy for residential yard soils in the Tri-State District consisting of excavation and on-site disposal of yard soils exceeding the action levels established for the Site.

5.1 Alternative Description

Under the presumptive remedy, soils in the residential yard individual sample zones exceeding an average concentration of 400 mg/kg lead will have the option of either being resampled using portable XRF spectrometers or being remediated to an average lead concentration not to exceed 400 mg/kg with no discrete samples exceeding a maximum of 800 mg/kg. If resampling is the selected option, the yard will be sampled again in accordance with the procedures outlined in the SAP (Dames & Moore, 1997). However, instead of taking composite samples, discrete samples will be analyzed with a portable XRF. If no discrete samples exceed a lead concentration of 800 mg/kg, no removal action will be required. If any discrete samples exceed 800 mg/kg lead, removal of the soils in the affected quadrant will be required. Ten percent of the XRF samples will be submitted for laboratory analysis as an instrument calibration check. No samples will be collected from the drip zones of the houses to avoid possible interference from peeling or flaking lead-based paint. Also, houses where only the previous drip zone samples exceed the action levels will not be addressed as part of this removal action.

Quadrants of yards with confirmed maximum lead concentrations over 800 mg/kg or yards where the resampling option is not exercised will be excavated in a maximum of two 6-inch lifts. The excavation will be done with light excavating machinery, such as Bobcat loaders, small backhoes, and hand tools. If after excavating the first 6-inch lift the average or maximum lead concentrations still exceed 400 mg/kg or 800mg/kg, respectively, a second 6-inch lift will be removed. If soils at a depth of 12 inches still exceed the 400 mg/kg average or 800 mg/kg maximum lead concentration, an orange plastic barrier fence material will be placed over the bottom of the excavation as a warning to future homeowners that potentially contaminated soils remain beneath the barrier.

After removing the soils from the affected quadrants of the yards and placing the warning barriers in appropriate instances, the excavated soils will be replaced with clean soils. The yards will be brought back to their original grades by placing and lightly compacting the clean soils in the excavation. The lawn vegetation will be replaced by hydroseeding with the homeowners or tenants taking responsibility for watering and maintenance. Excavation crews will work around trees, shrubs, and ornamental plantings to the extent practical. EPA or the Respondents will not be responsible for replacing trees, shrubs, or gardens. Homeowners will be responsible for replacing trees, shrubs, or gardens removed with their permission or at their request.

In yards that exceed the action levels, vegetable garden soils exceeding 500 mg/kg (based on discrete samples) will be excavated in addition to the yard soils. The Jasper County Yard Soils FS (EPA, 1996) states that EPA believes a lower clean up criteria is warranted for garden soils based on conclusions from the HHRA. The risk assessment indicated risks are slightly higher for people who consume vegetables from gardens containing elevated lead (>500 mg/kg) and cadmium (>75 mg/kg) levels in addition to having yards exceeding the 800 mg/kg lead level.

Excavated yard soils will be placed in the existing on-site repository that was previously constructed for the time-critical actions. Soils that could exceed the TCLP limits for lead and cadmium will be stabilized on-site prior to disposal, as was done during the time-critical removals. It is likely a stabilization admixture similar to that used in the time-critical removal actions will be used for the non-time critical actions. According to EPA and MDNR, adequate capacity exists in the repository for disposing of the non-time-critical soils and access agreements are in place to allow disposal of additional soils. In August of 2001, Newton County agreed to the terms of a consent degree with EPA for the long-term maintenance of the repository and surrounding area. Under this consent decree, Newton County is required to place deed

restrictions on the legal parcel to prevent future residential development from occurring on the repository. The required deed restrictions are expected to be in place in the near future.

At the conclusion of the non-time-critical removal actions, the repository will be graded and contoured to reduce erosion. The surface of the pile will be treated with phosphate to reduce the mobility of metals and the associated ecological risks. Then the pile will be vegetated with warm season grasses. Maintenance of the repository cover system, such as minor regrading, reseeding, and fence repairs is expected to be needed for the first three years or until the vegetative cover becomes well established. No long-term maintenance is expected to be needed.

5.2 Effectiveness Evaluation

The effectiveness of the presumptive remedy is summarized, as follows:

- Overall Protectiveness – The presumptive alternative will be protective of human health and the environment. This alternative breaks a lead exposure pathway expected of being one of the primary contributors to human health risks by removing the affected soils from the receptors' environment. Modeling post-removal scenarios using the IEUBK lead exposure model indicates a soil lead clean-up level of an average 400 mg/kg or maximum 800 mg/kg will meet the RAO identified for this EE/CA, i.e. no more than a 5 percent chance that an individual child less than 7 years old will have a blood lead level greater than 10 µg/dl (MDOH, 1994). The removal of garden soils will further reduce the risks to people with both gardens and affected yards. Removal of affected soils is also expected to reduce exposure to lead in indoor dust because yard soils are known to be a source of indoor dust. Placing excavated soils in the on-site repository will be an effective and protective means of long-term disposal.

- Compliance with ARARs – The excavation alternative complies with the ARARs and TBCs identified in Section 3 of this EE/CA report. There are no chemical-specific ARARs for lead or cadmium in soils, only TBC guidance, criteria, and advisories. The action levels of an average 400 mg/kg or maximum 800 mg/kg lead and 75 mg/kg cadmium are site-specific, risk-based criteria. Selection of the presumptive remedy will comply with these action levels. Action-specific and location-specific ARARs will also be met by this alternative.

- Long-term Effectiveness – Implementation of this alternative will reduce risks to human health in households with affected residential yards. Excavation and removal of affected soils and replacement with clean soils will permanently eliminate the potential risks. The physical/visual barrier placed over any residual contamination greater than 12 inches in depth is considered a reliable method of controlling future exposure. Also, closure of the soil repository will effectively eliminate any residual risks. As an additional precaution, soils that might exceed the TCLP level for lead or cadmium will be stabilized prior to disposal in the repository, although few, in any, soils are expected to exceed TCLP limits during the non-time-critical removals. Deed restrictions on the repository site are expected to be in place in the near future to prevent future disturbance or development of the site. However, future potential exposure caused by new construction in mining, milling, or smelter affected areas may need to be addressed through institutional controls. These institutional controls may provide guidelines or requirements for addressing the potential risks to residents of newly constructed homes. The reliability or adequacy of these institutional controls is politically uncertain because they will need to be implemented and enforced through ordinances enacted by local jurisdictions.

- Short-term Effectiveness - Provided fugitive dust emissions are controlled during excavation and transport of the soils to the repository, the short-term risks to the resident population will be minor. No single household will be affected by the removal actions for more than a few days. Nevertheless, precautions should be implemented to prevent excessive indoor dust during construction. Risks to workers can be prevented through normal worker health and safety precautions, such as use of appropriate protective clothing and adequate personal hygiene. Potential environmental impacts, mostly associated with the repository site, will also be minimal because the final repository cover will be designed to permanently reduce or prevent infiltration, runoff, and erosion. In fact, placement of the soil in the repository will improve the Site, a former tailings impoundment that was previously devoid of vegetation.

- Reduction of TMV through Treatment – It is anticipated that a small quantity of soil will be stabilized to prevent exceedances of the TCLP limits for lead or cadmium prior to disposal. Additionally, the repository pile will be treated with phosphate prior to closure. Therefore, the CERCLA preference for advancing innovative treatment technologies will be met for the soil placed in the repository.

5.3 Implementability Evaluation

The recommended alternative is evaluated with respect to its technical feasibility and administrative implementability, as follows:

- Technical Feasibility - The proposed remedy is readily implementable from a technical feasibility perspective. The implementabilty of this alternative has been demonstrated repeatedly at sites within the Tri-State District, as well as at other mining or smelter related sites. All equipment, skilled personnel, and materials, such as clean top soil, are readily available in or around Newton County.

- Administrative Implementability – The proposed alternative is administratively implementable. No special permits or licenses are needed to conduct the excavation work. The soil repository has already been established as a CAMU under RCRA regulations, and Newton County has agreed to the terms of a consent decree with EPA for the long-term maintenance of the repository. Implementability of institutional control programs is less certain because these programs rely on local governmental entities enacting the enabling ordinances.

5.4 Cost Evaluation

The capital and long-term operation and maintenance costs of this alternative are presented in Table 5-1. A detailed cost estimate for this removal action is presented in Appendix B of this EE/CA report.

Table 5-1:
Summary of Estimated Costs for the Newton County
Non-Time Critical Removal Actions for Residential Yard Soils

Cost Item Description	Total Estimated Cost
Direct and Indirect Capital Costs	
1. Resampling of Residential Yards	$37,000
2. Excavation, Disposal, and Replacement of Affected Yard Soils	$2,489,000
3. Repository Closure	$101,000
4. Implementation of Institutional Controls	$50,000
5. Indirect Capital Costs, i.e. project management, oversight, etc.	$515,000
6. Contingencies @ 20 percent of capital costs	$638,000
Total of Direct and Indirect Capital Costs	**$3,830,000**
Total Operation and Maintenance Costs	
1. Maintenance of the Repository Cap (Assumes 3 years total)	$15,000
2. Institutional Controls	$5,000
Total O&M Costs	**$20,000**

The costs presented in Table 5-1are based on cleanup of 200 yards. The approximate cost per yard in Newton County is estimated at $15,000, not including resampling, repository closure, or institutional controls. This estimated cost per yard compares favorably with the approximate cost per yard for the recent yard soil remediations completed in the Jasper County Site of $10,500 considering that residential yards in Newton County are larger on average than yards in the urban areas of Joplin. During the time-critical removals, Newton County residences averaged 428 cubic yards of soil removed versus 270 cubic yards per residence in Joplin.

Assumptions used in estimating the costs of this alternative are summarized, as follows:

- An estimated 62 yards initially exhibiting lead concentrations between 400 and 800 mg/kg will be resampled using portable XRF spectrometers. No yards initially exceeding 800 mg/kg will be resampled.

- A total of 200 yards are assumed to require remediation based on existing XRF and analytical data. This total assumes 90 percent of all resampled yards will contain at least one sample over 800 mg/kg triggering a removal action. This assumption is based on statistical analysis of Dames & Moore's field data. The total of 200 yards also includes a10 percent escalation factor to account for the anticipated additional yards identified by sampling yards that previously denied access.

- Although only one quadrant of a yard may exceed the action levels in many yards, the cost estimates assume all the soils in the yard will be remediated, not just the affected quadrant. Hence, the cost estimates are conservative.

- The average soil volume removed in Granby by IT Corporation was approximately 428 cubic meters per yard and replacement soil averaged 438 cubic yards per yard.

- Only soils exceeding 2500 mg/kg are assumed to require on-site stabilization.

6.0 RECOMMENDED REMOVAL ACTION ALTERNATIVE

Based on the evaluation presented in Section 5, the presumptive remedy is recommended for selection of the preferred alternative for the non-time-critical removal actions for residential yards. The evaluation indicates this alternative will be effective and implementable. It is estimated that the costs for the four fund-led subdistricts will not fall within the statutory limits on non-time-critical removal actions and a consistency exemption will be required. In general, excavation and removal of affected yard soils has met with public acceptance in other areas within the Tri-State District.

7.0 REFERENCES

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Dames & Moore, 1995. *Final Remedial Investigation: Neck/Alba, Snap, Oronogo-Duenweg, Joplin, Thoms, Carl Junction, and Waco Designated Areas of the Jasper County Site,Jasper County, Missouri.* October 31, 1995.

Dames & Moore, 1997. Final Sampling and Analysis Plan: *Diamond and Granby Subdistricts, Newton County Mine Tailings Site, Newton County, Missouri.* October 20, 1997.

Dames & Moore, 1998. *Revised Draft Site Removal Evaluation Memorandum: Diamond and Granby Subdistricts, Newton County Mine Tailings Site, Newton County, Missouri.* September 9, 1998.

EPA, 1993. *Conducting Non-Time-Critical Removal Actions Under CERCLA.* OSWER Directive 9360.0-32. EPA/540/F-94/009.

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EPA, 1996. *Feasibility Study for the Residential Yard Soils Operable Units for the Jasper County Site.*

EPA, 1997. *Technology Alternatives for the Remediation of Soils Contaminated with As, Cd, Cr, Hg, and Pb.* EPA/540/S-97/500.

MDOH, 1995. *Human Health Risk Assessment (HHRA) for the Jasper County Site.* Missouri Department of Health.

APPENDIX A: ANALYTICAL DATA

Appendix A-1: Dames & Moore Soil Data from the Draft Site Removal Evaluation Memorandum (Dames & Moore, 1998)

Appendix A-2: Black & Veatch and Ecology and Environment, Inc. Unpublished Yard Soil Data

Appendix A-1:

Dames & Moore Soil Data from the Draft Site Removal Evaluation Memorandum (Dames& Moore, 1998)

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DB-1	9/13/97	0.648	0.6 J	46	53.1 J	283	152
DB-1A	9/13/97	3.659	2.33 J	370	686 J	1598	2380
DF-1	9/13/97	3.208	1.18 J	314	294 J	1401	726
DS-1E	10/29/97	0.000		38		0	
DS-1S	10/29/97	0.000		67		0	
DS-1W	10/29/97	0.840		22		367	
DS-2E	10/29/97	1.450		8		633	
DS-2N	10/29/97	0.000		15		0	
DS-2S	10/29/97	0.946		15		413	
DS-3N	10/29/97	1.026	0.34 J	15	21.7	448	55.1
DS-3S	10/29/97	1.081		51		472	
DS-3W	10/29/97	1.211		6		529	
DS-4E	10/29/97	0.758		15		331	
DS-4S	10/29/97	1.617		113		706	
DS-4W	10/29/97	2.487		62		1086	
DS-5E	10/29/97	0.992		15		433	
DS-5S	10/29/97	0.795		15		347	
DS-5W	10/29/97	0.701		15		306	
DS-6E	10/29/97	0.866	0.52 J	44	26.5	378	91.4
DS-6N	10/29/97	0.815		15		356	
DS-6W	10/29/97	0.886		15		387	
DS-8E	10/29/97	0.879		11		384	
DS-8N	10/29/97	1.198		15		523	
DS-8S	10/29/97	0.559		7		244	
DS-9E	10/29/97	1.727		45		754	
DS-9N	10/29/97	7.914		574		3456	
DS-9W	10/29/97	0.772		18		337	
DS-10E	10/29/97	0.802		15		350	
DS-10N	10/29/97	0.911		8		398	
DS-10W	10/29/97	0.685		15		299	
DS-11E	10/29/97	0.607		15		265	
DS-11S	10/29/97	0.442		15		193	
DS-11W	10/29/97	0.799		15		349	
DS-12E	10/29/97	1.621	1.61 J	39	50	708	376

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-12N	10/29/97	0.836		29		365	
DS-12W	10/29/97	0.889		15		388	
DS-13E	10/30/97	1.353		15		591	
DS-13S	10/30/97	1.564		85		683	
DS-13W	10/30/97	0.799	0.33 J	15	31.5	349	80.7
DS-14E	10/30/97	0.836		2		365	
DS-14S	10/30/97	0.827	1.28 J	15	50.8	361	86.7
DS-14W	10/30/97	1.026		45		448	
DS-15E	10/30/97	0.412		15		180	
DS-15N	10/30/97	0.451		27		197	
DS-15S	10/30/97	0.293		15		128	
DS-16N	10/30/97	2.054		40		897	
DS-16S	10/30/97	0.712		3		311	
DS-17E	10/30/97	1.122		1		490	
DS-17N	10/30/97	1.816		66		793	
DS-17W	10/30/97	1.248		55		545	
DS-18E	10/30/97	4.745		98		2072	
DS-18N	10/30/97	1.296	0.56 J	5	36.5	566	154
DS-18W	10/30/97	0.971		15		424	
DS-19E	10/30/97	0.714	0.4 J	15	21.2	312	72.7
DS-19N	10/30/97	0.911		15		398	
DS-19S	10/30/97	0.396		15		173	
DS-20W	10/30/97	0.895		0		391	
DS-21N	10/30/97	0.870		34		380	
DS-21S	10/30/97	0.879		11		384	
DS-21W	10/30/97	1.326		30		579	
DS-22N	10/30/97	2.192		43		957	
DS-22S	10/30/97	2.982		55		1302	
DS-22W	10/30/97	1.365		8		596	
DS-23E	10/31/97	0.291	0.06 UJ	15	15.6	127	16.1
DS-23N	10/31/97	0.412		28		180	
DS-23S	10/31/97	0.547		35		239	
DS-24E	10/31/97	0.529		35		231	
DS-24N	10/31/97	0.591	0.38 J	3	21.6	258	47.6

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-24S	10/31/97	0.976		17		426	
DS-25E	10/31/97	1.848		168		807	
DS-25S	10/31/97	2.888		163		1261	
DS-25W	10/31/97	2.613		112		1141	
DS-26E	10/31/97	6.703		213		2927	
DS-26S	10/31/97	3.396		91		1483	
DS-26W	10/31/97	1.809		50		790	
DS-27E	10/31/97	0.293		6		128	
DS-27N	10/31/97	0.792		24		346	
DS-27W	10/31/97	0.360		8		157	
DS-28N	10/31/97	0.277		34		121	
DS-28S	10/31/97	0.208		16		91	
DS-28W	10/31/97	0.176		19		77	
DS-29E	10/31/97	2.063		68		901	
DS-29N	10/31/97	0.744		19		325	
DS-29S	10/31/97	13.417		284		5859	
DS-30E	10/31/97	3.314		64		1447	
DS-30N	10/31/97	1.282		36		560	
DS-30W	10/31/97	2.013	2.01 J	55	71.4	879	8 J
DS-31E	10/31/97	0.637		21		278	
DS-31N	10/31/97	0.449		9		196	
DS-31S	10/31/97	0.277		14		121	
DS-32E	10/31/97	1.067		9		466	
DS-32N	10/31/97	0.444		15		194	
DS-32W	10/31/97	0.344		15		150	
DS-33E	10/31/97	2.095		95		915	
DS-33W	10/31/97	1.143		95		499	
DS-34E	10/31/97	0.483		11		211	
DS-34S	10/31/97	0.355		10		155	
DS-34W	10/31/97	0.433		5		189	
DS-35E	11/1/97	0.339		16		148	
DS-35N	11/1/97	0.050		39		22	
DS-35W	11/1/97	0.082		66		36	
DS-36N	11/1/97	1.747		113		763	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-36S	11/1/97	1.628		164		711	
DS-36W	11/1/97	11.505	3.81 J	318	241 J	5024	4130 J
DS-37N	11/1/97	0.254		15		111	
DS-37S	11/1/97	0.137		9		60	
DS-38E	11/1/97	0.330		21		144	
DS-38W	11/1/97	0.829		15		362	
DS-39E	11/1/97	1.614		82		705	
DS-39S	11/1/97	1.035		23		452	
DS-40N	11/1/97	0.747		10		326	
DS-40S	11/1/97	0.797		8		348	
DS-40W	11/1/97	1.399		62		611	
DS-41E	11/1/97	0.252		14		110	
DS-41N	11/1/97	0.325	0.17 J	2	24.2	142	34.6
DS-41S	11/1/97	0.169		41		74	
DS-42S	11/1/97	1.871		62		817	
DS-43E	11/1/97	0.408		56		178	
DS-43S	11/1/97	0.515		64		225	
DS-43W	11/1/97	2.352		81		1027	
DS-44E	11/1/97	0.538		15		235	
DS-44S	11/1/97	0.000		39		0	
DS-44W	11/1/97	1.152	1.37 J	34	20.2	503	184
DS-45E	11/1/97	0.309		33		135	
DS-45S	11/1/97	0.231		51		101	
DS-45W	11/1/97	0.192		57		84	
DS-46E	11/2/97	0.160		15		70	
DS-46N	11/2/97	0.252		17		110	
DS-46W	11/2/97	0.227		43		99	
DS-47E	11/2/97	0.142		11		62	
DS-47N	11/2/97	0.202		46		88	
DS-47W	11/2/97	0.089	0.14 J	29	30.8	39	27.4
DS-48E	11/2/97	1.477		55		645	
DS-48S	11/2/97	0.989		219		432	
DS-48W	11/2/97	1.289		65		563	
DS-49E	11/2/97	3.444		121		1504	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-49N	11/2/97	0.222		52		97	
DS-49W	11/2/97	0.479		19		209	
DS-50N	11/2/97	1.026		75		448	
DS-50S	11/2/97	1.569		94		685	
DS-50W	11/2/97	0.740	1.88 J	24	68.1	323	278
DS-51N	11/2/97	1.072		6		468	
DS-51S	11/2/97	0.611		33		267	
DS-51W	11/2/97	0.485		29		212	
DS-52E	11/2/97	0.946		28		413	
DS-52N	11/2/97	0.000		3		0	
DS-52S	11/2/97	0.135	0.15 J	3	16.6	59	36.4
DS-53E	11/2/97	0.742		49		324	
DS-53N	11/2/97	0.140		15		61	
DS-53W	11/2/97	0.412		29		180	
DS-54N	11/2/97	0.671		43		293	
DS-54S	11/2/97	0.687		34		300	
DS-54W	11/2/97	1.644		59		718	
DS-55E	11/2/97	0.577		9		252	
DS-55N	11/2/97	0.925		23		404	
DS-56E	11/2/97	0.344		24		150	
DS-56S	11/2/97	0.323		24		141	
DS-56W	11/2/97	0.277		19		121	
DS-57E	11/3/97	1.337		35		584	
DS-57S	11/3/97	1.122		64		490	
DS-57W	11/3/97	1.008	1.23 J	66	108	440	269
DS-58E	11/3/97	0.309		24		135	
DS-58N	11/3/97	0.044		6		19	
DS-58S	11/3/97	0.321		10		140	
DS-59N	11/3/97	0.428		42		187	
DS-59S	11/3/97	0.756		59		330	
DS-59W	11/3/97	0.307		24		134	
DS-60E	11/3/97	0.776		28		339	
DS-60N	11/3/97	1.493		17		652	
DS-60S	11/3/97	0.632		12		276	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-61E	11/3/97	1.115		38		487	
DS-61N	11/3/97	0.518		34		226	
DS-61S	11/3/97	0.660	1.21 J	45	30.3	288	216
DS-62E	11/3/97	0.364		22		159	
DS-62N	11/3/97	1.063		53		464	
DS-62S	11/3/97	2.617		140		1143	
DS-63E	11/3/97	0.611		15		267	
DS-63S	11/3/97	0.087	0.17 J	15	21.6	38	57
DS-63W	11/3/97	0.453		40		198	
DS-64E	11/3/97	1.995		35		871	
DS-64N	11/3/97	1.468		114		641	
DS-64W	11/3/97	1.273		68		556	
DS-65E	11/3/97	0.726		38		317	
DS-65N	11/3/97	0.495		8		216	
DS-65W	11/3/97	0.192		32		84	
DS-66E	11/4/97	5.615		163		2452	
DS-66N	11/4/97	0.373		2		163	
DS-66S	11/4/97	1.734		43		757	
DS-67N	11/4/97	0.330		9		144	
DS-67S	11/4/97	0.515		6		225	
DS-67W	11/4/97	0.247		9		108	
DS-68N	11/4/97	0.069		15		30	
DS-68S	11/4/97	0.559		42		244	
DS-68W	11/4/97	0.437		15		191	
DS-69E	11/4/97	1.527		95		667	
DS-69N	11/4/97	1.344		57		587	
DS-69S	11/4/97	0.362		15		158	
DS-70N	11/4/97	0.460		15		201	
DS-70S	11/4/97	0.660		22		288	
DS-70W	11/4/97	0.440		18		192	
DS-71N	11/4/97	0.147		53		64	
DS-71S	11/4/97	0.071		12		31	
DS-71W	11/4/97	0.213		14		93	
DS-72E	11/4/97	0.055		17		24	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-72S	11/4/97	0.016		29		7	
DS-72W	11/4/97	0.440		17		192	
DS-73E	11/4/97	0.103		28		45	
DS-73N	11/4/97	0.105		32		46	
DS-73W	11/4/97	0.000		32		0	
DS-74E	11/4/97	0.325		52		142	
DS-74N	11/4/97	0.415		33		181	
DS-74S	11/4/97	0.593		74		259	
DS-75E	11/4/97	0.472		26		206	
DS-75N	11/4/97	0.829		77		362	
DS-75S	11/4/97	0.781		127		341	
DS-76E	11/4/97	0.220		44		96	
DS-76N	11/4/97	0.144		35		63	
DS-76S	11/4/97	0.621		31		271	
DS-77N	10/11/97	0.495		44		216	
DS-77S	10/11/97	0.405		17		177	
DB-100	12/6/97	4.358	4.84	153	173	1903	1350
DF-100	12/6/97	2.462		112		1075	
DS-100	12/6/97	3.481		114		1520	
DB-300	10/29/97	0.289		15		126	
DF-300	10/29/97	0.401		6		175	
DG-300	10/29/97	0.694		29		303	
DB-301	10/29/97	0.133		8		58	
DF-301	10/29/97	0.421		14		184	
DG-301	10/29/97	1.303		105		569	
DS-301	10/29/97	0.282		17		123	
DB-302	10/29/97	0.256		15		112	
DF-302	10/29/97	0.618		15		270	
DS-302	10/29/97	0.165		15		72	
DB-303	10/29/97	1.630	3.74 J	268	6	712	9 J
DF-303	10/29/97	1.983	1.95 J	72	71.8	866	422
DS-303	10/29/97	0.781		50		341	
DB-304	10/29/97	0.946		35		413	
DF-304	10/29/97	0.882		46		385	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DP-304	10/29/97	0.101		10		44	
DB-305	10/29/97	0.834		38		364	
DF-305	10/29/97	1.063		56		464	
DB-306	10/29/97	0.133		19		58	
DF-306A	10/29/97	0.289		29		126	
DF-306B	10/29/97	0.277		47		121	
DB-307	10/29/97	0.419		26		183	
DF-307	10/29/97	0.016		11		7	
DB-308	10/29/97	0.790		19		345	
DF-308	10/29/97	0.373		15		163	
DG-308	10/29/97	0.495		9		216	
DB-309	10/29/97	2.393		89		1045	
DF-309	10/29/97	1.058		15		462	
DP-309	10/29/97	3.529		202		1541	
DS-309	10/29/97	0.538		15		235	
DB-310	10/29/97	0.156		15		68	
DF-310	10/29/97	0.286		26		125	
DS-310	10/29/97	0.110		15		48	
DB-311A	10/29/97	0.234		38		102	
DB-311B	10/29/97	0.279		15		122	
DF-311	10/29/97	1.470		43		642	
DB-312	10/30/97	1.479		74		646	
DF-312	10/30/97	4.395		196		1919	
DS-312	10/30/97	0.664		7		290	
DB-313	10/30/97	0.082		6		36	
DF-313	10/30/97	0.144		21		63	
DS-313	10/30/97	0.339		9		148	
DB-314	10/30/97	1.999		126		873	
DF-314	10/30/97	7.055		1004		3081	
DP-314A	10/30/97	1.676		57		732	
DP-314B	10/30/97	1.596		81		697	
DS-314	10/30/97	11.024	25.8 J	321	169 J	4814	4960 J
DB-315	10/30/97	1.312		136		573	
DF-315	10/30/97	1.722		65		752	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DG-315	10/30/97	0.765		16		334	
DS-315	10/30/97	0.985		61		430	
DB-316A	10/30/97	4.587		119		2003	
DB-316B	10/30/97	0.921	0.86 J	64	65.7	402	194
DF-316	10/30/97	1.392		48		608	
DB-317	10/30/97	0.989		67		432	
DF-317	10/30/97	1.981		77		865	
DG-317	10/30/97	3.037	4.03 J	92	106	1326	12 J
DP-317	10/30/97	0.827		38		361	
DS-317	10/30/97	1.108		31		484	
DB-318	10/30/97	0.740		25		323	
DF-318	10/30/97	1.024		2		447	
DB-319	10/30/97	1.127		62		492	
DF-319	10/30/97	0.717		27		313	
DG-319	10/30/97	0.222		15		97	
DS-319	10/30/97	0.389	1 J	32	32.6	170	192
DB-320	10/30/97	0.932		32		407	
DS-320	10/30/97	0.511		29		223	
DF-320	10/30/97	0.834		51		364	
DG-320	10/30/97	0.992		57		433	
DB-321	10/30/97	0.497		41		217	
DF-321	10/30/97	0.227		15		99	
DS-321	10/30/97	0.037		15		16	
DB-322	10/30/97	0.760		58		332	
DF-322	10/30/97	4.161		101		1817	
DS-322	10/30/97	1.065	1.96 J	111	85.9	465	328
DF-323	10/30/97	0.960		24		419	
DB-324	10/31/97	0.932		51		407	
DF-324	10/31/97	1.608		15		702	
DP-324	10/31/97	0.085		21		37	
DS-324	10/31/97	1.051		15		459	
DB-325	10/31/97	0.197		23		86	
DF-325	10/31/97	0.307		15		134	
DS-325	10/31/97	0.256		7		112	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DB-326	10/31/97	3.563		100		1556	
DF-326	10/31/97	1.887		102		824	
DG-326	10/31/97	8.500		290		3712	
DB-327	10/31/97	0.353	3.07 J	0	45.4	154	7 J
DF-327	10/31/97	1.894		80		827	
DS-327	10/31/97	1.218		60		532	
DB-328	10/31/97	0.838		39		366	
DF-328	10/31/97	1.232		39		538	
DG-328	10/31/97	0.763		71		333	
DS-328	10/31/97	2.189	1.6 J	65	83.4	956	10 J
DB-329	10/31/97	0.595		32		260	
DF-329	10/31/97	0.914		29		399	
DB-330	10/31/97	0.092		21		40	
DF-330	10/31/97	0.344		12		150	
DG-330	10/31/97	0.447		11		195	
DS-330	10/31/97	0.231		18		101	
DB-331	10/31/97	0.866		10		378	
DF-331	10/31/97	0.295		14		129	
DP-331	10/31/97	0.206	0.26 J	15	21.5	90	60.8
DS-331	10/31/97	0.353		40		154	
DB-332	10/31/97	0.318		37		139	
DF-332	10/31/97	0.323		27		141	
DS-332	10/31/97	0.424		69		185	
DB-333A	11/1/97	2.853		434		1246	
DB-333B	11/1/97	0.266		20		116	
DF-333	11/1/97	1.001		92		437	
DB-334A	11/1/97	2.794		168		1220	
DB-334B	11/1/97	0.453		18		198	
DF-334	11/1/97	3.373		46		1473	
DB-335	11/1/97	1.571		76		686	
DF-335	11/1/97	1.850	2.81 J	81	107	808	8 J
DS-335	11/1/97	1.163		53		508	
DB-336	11/1/97	1.390		48		607	
DF-336	11/1/97	0.666		15		291	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DP-336	11/1/97	4.511		141		1970	
DS-336	11/1/97	1.889		59		825	
DB-337	11/1/97	0.834		43		364	
DF-337	11/1/97	0.266		1		116	
DS-337	11/1/97	0.373		15		163	
DB-338A	11/1/97	2.338		88		1021	
DB-338B	11/1/97	2.017		145		881	
DF-338	11/1/97	3.659		95		1598	
DB-339	11/1/97	1.083		38		473	
DF-339	11/1/97	2.911		131		1271	
DB-340A	11/1/97	3.069		172		1340	
DB-340B	11/1/97	1.298		48		567	
DB-341	11/1/97	1.434		132		626	
DF-341	11/1/97	2.427		70		1060	
DB-342	11/1/97	1.507		92		658	
DF-342	11/1/97	1.832	3.08 J	230	288	800	516
DG-342	11/1/97	1.754		126		766	
DF-343	11/1/97	2.361		100		1031	
DS-343	11/1/97	1.390		151		607	
DB-344A	11/1/97	0.808		39		353	
DB-344B	11/1/97	1.085		31		474	
DG-344	11/1/97	0.575		54		251	
DP-344	11/1/97	0.650		14		284	
DB-345	11/1/97	1.227		55		536	
DF-345	11/1/97	2.402		223		1049	
DB-346	11/1/97	0.779		33		340	
DF-346	11/1/97	0.456		27		199	
DG-346	11/1/97	0.355		20		155	
DP-346	11/1/97	0.366	0.75 J	18	30.6	160	133
DS-346	11/1/97	0.353		3		154	
DB-347	11/2/97	0.992		55		433	
DF-347	11/2/97	2.384		98		1041	
DP-347	11/2/97	1.099		83		480	
DS-347	11/2/97	1.834		99		801	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DB-348	11/2/97	3.375		151		1474	
DF-348	11/2/97	2.182		197		953	
DG-348	11/2/97	1.058		67		462	
DS-348	11/2/97	2.698		190		1178	
DB-349	11/2/97	0.442		10		193	
DF-349	11/2/97	0.440		15		192	
DP-349	11/2/97	0.497		15		217	
DS-349	11/2/97	0.206		11		90	
DB-350	11/2/97	0.458		8		200	
DF-350	11/2/97	1.124		66		491	
DG-350	11/2/97	0.900		22		393	
DP-350	11/2/97	1.001		51		437	
DS-350	11/2/97	1.546		81		675	
DB-351	11/2/97	1.127	4.28 J	15	18.6	492	7 J
DF-351	11/2/97	0.266		23		116	
DS-351	11/2/97	2.627		59		1147	
DB-352	11/2/97	0.605		50		264	
DF-352	11/2/97	0.476		22		208	
DG-352	11/2/97	0.259		17		113	
DS-352	11/2/97	0.266		15		116	
DB-353	11/2/97	0.504		35		220	
DF-353	11/2/97	0.783		40		342	
DS-353	11/2/97	0.403		20		176	
DB-354	11/3/97	4.049		128		1768	
DS-354	11/3/97	3.714		50		1622	
DB-355	11/3/97	0.783		33		342	
DF-355	11/3/97	0.277		15		121	
DP-355	11/3/97	0.307		30		134	
DS-355	11/3/97	0.414		12		181	
DB-356	11/2/97	2.352		183		1027	
DF-356	11/2/97	1.848		111		807	
DB-357	11/3/97	4.209		246		1838	
DF-357	11/3/97	2.508		169		1095	
DS-357	11/3/97	5.061	5.92 J	235	235 J	2210	1670 J

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DB-358	11/3/97	4.046	14 J	169	172 J	1767	3250 J
DF-358	11/3/97	1.846		81		806	
DP-358	11/3/97	27.711	95.6 J	386	147 J	12101	26100 J
DS-358	11/3/97	4.314		72		1884	
DB-359	11/3/97	0.275		15		120	
DF-359	11/3/97	0.449		24		196	
DS-359	11/3/97	0.252		57		110	
DB-360	11/3/97	1.656		93		723	
DF-360	11/3/97	1.685		30		736	
DP-360	11/3/97	0.220		31		96	
DS-360	11/3/97	0.973		63		425	
DB-361	11/3/97	2.370		113		1035	
DF-361	11/3/97	4.401		161		1922	
DP-361	11/3/97	3.531		168		1542	
DB-362	11/3/97	0.417		5		182	
DF-362	11/3/97	0.895		30		391	
DS-362	11/3/97	0.932		25		407	
DB-363	11/3/97	1.179		29		515	
DF-363	11/3/97	3.898	13.7 J	88	64.5	1702	21 J
DG-363	11/3/97	0.627		42		274	
DS-363	11/3/97	0.621		48		271	
DB-364	11/3/97	4.468		218		1951	
DF-364	11/3/97	4.193		273		1831	
DB-365	11/3/97	0.389		15		170	
DF-365	11/3/97	1.823		44		796	
DS-365	11/3/97	1.651		57		721	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-78e	7/7/98	1.280		82		558	
DS-78n	7/7/98	1.408		75		614	
DS-78s	7/7/98	0.883		30		385	
DS-78w	7/7/98	0.626		31		273	
DS-79e	7/7/98	0.743		85		324	
DS-79n	7/7/98	0.686		64		299	
DS-79w	7/7/98	0.642		81		280	
DS-80e	7/7/98	0.106		38		46	
DS-80n	7/7/98	0.023		31		10	
DS-80w	7/7/98	0.124		52		54	
DS-81e	7/7/98	1.266		70		552	
DS-81s	7/7/98	0.408		37		178	
DS-81w	7/7/98	0.784		53		342	
DS-82e	7/7/98	0.344		14		150	
DS-82n	7/7/98	0.167		16		73	
DS-82p	7/7/98	0.213		8		93	
DS-82s	7/7/98	0.328		39		143	
DS-83e	7/7/98	0.339		75		148	
DS-83n	7/7/98	0.000		22		0	
DS-83p	7/7/98	0.101		9		44	
DS-83s	7/7/98	0.461		20		201	
DS-84g	7/7/98	0.170		46		74	
DS-84n	7/7/98	0.807		17		352	
DS-84s	7/7/98	0.245		35		107	
DS-84w	7/7/98	0.564		29		246	
DS-85n	7/7/98	0.321		45		140	
DS-85s	7/7/98	0.133		30		58	
DS-85w	7/7/98	0.055		26		24	
DS-86e	7/7/98	0.631		34		275	
DS-86n	7/7/98	4.034		124		1759	
DS-86s	7/7/98	0.571		45		249	
DS-87e	7/7/98	7.060		299		3078	
DS-87g	7/7/98	1.124		67		490	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-87n	7/7/98	3.856		159		1681	
DS-87s	7/7/98	0.729		119		318	
DS-88e	7/7/98	0.243		49		106	
DS-88n	7/7/98	0.151		24		66	
DS-88w	7/7/98	0.791		37		345	
DS-89e	7/7/98	0.622		40		271	
DS-89n	7/7/98	0.232		33		101	
DS-89w	7/7/98	0.229		13		100	
DS-90e	7/7/98	0.080		62		35	
DS-90g	7/7/98	0.062		14		27	
DS-90n	7/7/98	0.206		65		90	
DS-90s	7/7/98	0.078		24		34	
DS-91e	7/7/98	2.142		60		934	
DS-91g	7/7/98	0.739		33		322	
DS-91n	7/7/98	0.303		20		132	
DS-91w	7/7/98	0.622		70		271	
DS-92e	7/8/98	0.319		28		139	
DS-92g	7/8/98	0.330		56		144	
DS-92n	7/8/98	0.106		14		46	
DS-92p	7/8/98	0.053		35		23	
DS-92s	7/8/98	0.076		15		33	
DS-93e1	7/8/98	0.179		49		78	
DS-93e2	7/8/98	0.069		40		30	
DS-94e	7/8/98	0.227		51		99	
DS-94n	7/8/98	0.165		9		72	
DS-94s	7/8/98	0.156		27		68	
DS-95e	7/8/98	0.268		47		117	
DS-95n	7/8/98	0.103		53		45	
DS-95s	7/8/98	0.115		10		50	
DS-96n1	7/8/98	0.161		12		70	
DS-96n2	7/8/98	0.000		55		0	
DS-96s	7/8/98	0.193		6		84	
DS-97n	7/8/98	0.489		31		213	

SOIL RESULTS

REMOVAL SITE EVALUATION

DIAMOND SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
DS-97s	7/8/98	1.530		57		667	
DS-97w	7/8/98	0.578		63		252	
DS-98n	7/8/98	0.445		29		194	
DS-98s	7/8/98	0.741		12		323	
DS-98w	7/8/98	3.998		108		1743	
DS-99e	7/8/98	0.050		37		22	
DS-99g	7/8/98	0.255		31		111	
DS-99n	7/8/98	0.000		25		0	
DS-99w	7/8/98	0.404		33		176	
DS-100G	7/8/98	0.048		48		21	
DS-100P	7/8/98	0.112		48		49	
DS-100S	7/8/98	0.009		66		4	
DS-101E	7/8/98	0.209		34		91	
DS-101G	7/8/98	0.936		3		408	
DS-101N	7/8/98	0.275		51		120	
DS-101p	7/8/98	0.321		57		140	
DS-101s	7/8/98	0.083		52		36	
DS-102e	7/8/98	0.000		28		0	
DS-102n	7/8/98	0.183		10		80	
DS-102w	7/8/98	0.200		37		87	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

	Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
			Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
	GF-1	9/13/97	1.001	1.29 J	63	44.5 J	437	293
	GB-2	9/13/97	2.327	2.16 J	126	149 J	1016	1840
	GF-2	9/13/97	1.876	2.38 J	90	124 J	819	1410
	GB-3	9/13/97	9.675	11.5 J	352	243 J	4225	3440
	GB-3A	9/13/97	11.434	6.4 J	370	209 J	4993	5410
1	GF-3	9/13/97	59.219	14.1 J	1301	1470 J	25860	50500
	GB-4	9/13/97	11.945	14.8 J	463	369 J	5216	4540
	GF-4	9/13/97	1.722	32.2 J	1008	752 J	752	12100
2	GF-4A	9/13/97	20.889	23.9 J	702	722 J	9122	9370
	GP-4	9/13/97	13.355	14.5 J	474	457 J	5832	7360
	GB-5	9/13/97	1.603	1.84 J	203	248 J	700	354
	GF-5	9/13/97	2.883	4.62 J	296	406 J	1259	1070
	GB-6	11/4/97	13.543		480		5914	
3	GF-6	11/4/97	24.954	16.5 J	616	660 J	10897	11700 J
	GS-6	11/4/97	16.566		379		7234	
	GB-7	11/4/97	10.097		333		4409	
	GF-7	11/4/97	9.313	6.52 J	359	425 J	4067	3530 J
	GG-7	11/4/97	2.950		154		1288	
4	GH-7	11/4/97	10.069		498		4397	
	GB-8	11/4/97	25.279		475		11039	
	GF-8	11/4/97	13.770		379		6013	
5	GS-8	11/4/97	18.689		550		8161	
	GB-9	11/4/97	7.440		172		3249	
	GF-9	11/4/97	12.169		650		5314	
6	GH-9	11/4/97	6.403		205		2796	
	GB-10	11/4/97	34.831		540		15210	
	GF-10	11/4/97	33.363	34.4 J	940	10	14569	170 J
	GH-10	11/4/97	60.417	50.2 J	688	760 J	26383	26000 J
7	GS-10	11/4/97	55.922		1156		24420	
	GB-11	11/4/97	12.584		2378		5495	
	GF-11	11/4/97	11.739		1685		5126	
	GP-11	11/4/97	16.877	32 J	733	11	7370	110 J
	GS-11	11/4/97	9.352		560		4084	
8	GB-12	11/4/97	22.953		913		10023	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GF-12	11/4/97	19.689		2062		8598	
GS-12	11/4/97	15.975		1559		6976	
GB-13	11/4/97	10.168	14.6 J	345	282 J	4440	7280 J
GF-13	11/4/97	11.361	13.6 J	512	6	4961	50 J
GS-13	11/4/97	9.783		402		4272	
GB-14	11/5/97	3.511	3.23	209	435	1533	1360
GF-14A	11/5/97	5.734		267		2504	
GF-14B	11/5/97	5.359		217		2340	
GB-15	11/5/97	14.301		316		6245	
GF-15	11/5/97	9.852		291		4302	
GS-15	11/5/97	26.827		458		11715	
GS-15A	11/5/97	11.237		316		4907	
GB-16	11/5/97	17.892		605		7813	
GF-16	11/5/97	4.727		291		2064	
GS-16	11/5/97	4.266		190		1863	
GB-17	11/5/97	3.140	4.7	107	147	1371	1540
GF-17	11/5/97	8.810		284		3847	
GG-17	11/5/97	2.331		135		1018	
GP-17	11/5/97	0.751		40		328	
GS-17	11/5/97	5.118		280		2235	
GB-18	11/10/97	46.334	11.8	997	1830	20233	21200
GF-18	11/10/97	11.445		414		4998	
GB-19	11/10/97	17.452		537		7621	
GF-19	11/10/97	20.134		600		8792	
GS-19	11/10/97	16.829		1662		7349	
GB-20	11/10/97	1.427		83		623	
GF-20	11/10/97	9.380		260		4096	
GG-20	11/10/97	1.992		81		870	
GS-20	11/10/97	3.192		202		1394	
GB-21	11/10/97	2.819		200		1231	
GF-21	11/10/97	6.739		176		2943	
GS-21	11/10/97	3.570		186		1559	
GB-22	11/10/97	19.907	25.3	6044	11100	8693	13200
GF-22	11/10/97	40.721		4202		17782	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-22	11/10/97	12.790		3070		5585	
GB-23	11/10/97	63.740		1004		27834	
GF-23	11/10/97	40.945		735		17880	
13 GS-23	11/10/97	38.296		718		16723	
GB-24	11/10/97	81.929		1157		35777	
GF-24	11/10/97	46.176	43.8	1047	1070	20164	22300
14 GS-24	11/10/97	123.049		1611		53733	
GB-25	11/10/97	3.517		98		1536	
GF-25	11/10/97	1.979		90		864	
GS-25	11/10/97	1.974		100		862	
GB-26	11/10/97	6.863		319		2997	
GF-26	11/10/97	10.834		628		4731	
15 GS-26	11/10/97	11.530		1965		5035	
GB-27	11/10/97	0.552	0.51	3	24.3	241	152
GP-27	11/10/97	0.989		32		432	
GS-27	11/10/97	1.008		39		440	
GB-28	11/10/97	0.866		37		378	
GF-28	11/10/97	0.994		24		434	
GF-28A	11/10/97	1.017		57		444	
GP-28	11/10/97	0.710	0.62	40	45	310	146
GS-28	11/10/97	0.582		38		254	
GB-29	11/10/97	7.971		520		3481	
16 GF-29	11/10/97	3.458		253		1510	
GS-29	11/10/97	1.660		65		725	
GB-30	11/10/97	15.707		377		6859	
GF-30	11/10/97	8.791		159		3839	
GS-30	11/10/97	4.111		110		1795	
GB-31	11/10/97	0.996		27		435	
GF-31	11/10/97	0.870		47		380	
GS-31	11/10/97	0.485		1		212	
GB-32	11/10/97	21.137		2407		9230	
GF-32	11/10/97	9.652	17.7	433	590	4215	8420
17 GS-32	11/10/97	4.859		204		2122	
GB-33	11/11/97	1.521		45		664	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GF-33	11/11/97	3.339		88		1458	
GB-34	11/11/97	1.156	1.19	34	68.7	505	342
GF-34	11/11/97	9.996		568		4365	
GG-34	11/11/97	0.666		24		291	
GP-34	11/11/97	1.202		62		525	
GS-34	11/11/97	1.882		117		822	
GB-35	11/11/97	1.745		73		762	
GF-35	11/11/97	3.582		86		1564	
GS-35	11/11/97	1.576		43		688	
GB-36	11/11/97	0.964		39		421	
GF-36	11/11/97	1.468		47		641	
GS-36	11/11/97	2.684		91		1172	
GB-37	11/11/97	0.671		64		293	
GF-37	11/11/97	1.720		48		751	
GS-37	11/11/97	1.159		52		506	
GB-38A	11/11/97	1.633		59		713	
GB-38B	11/11/97	0.563	0.55	3	28.1	246	156
GF-38	11/11/97	1.912		93		835	
GF-39	11/11/97	3.985		118		1740	
GG-39	11/11/97	2.931		52		1280	
GH-39	11/11/97	4.800		157		2096	
GF-40	11/11/97	14.704		1819		6421	
GS-40	11/11/97	9.073		494		3962	
GB-41	11/11/97	1.069		47		467	
GF-41	11/11/97	1.569	1.61	112	116	685	479
GG-41	11/11/97	0.467		41		204	
GB-42	11/11/97	6.563		243		2866	
GF-42	11/11/97	8.184		265		3574	
GS-42	11/11/97	14.977		414		6540	
GB-43	11/11/97	4.307		148		1881	
GF-43	11/11/97	11.079		307		4838	
GS-43	11/11/97	4.259		180		1860	
GB-44	11/11/97	11.031		417		4817	
GF-44	11/11/97	23.985		2845		10474	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-44	11/11/97	8.752	11.3	462	658	3822	5180
GB-45	11/11/97	6.678		298		2916	
GF-45	11/11/97	9.561	10	504	643	4175	4480
GG-45	11/11/97	3.311		163		1446	
GS-45	11/11/97	7.133		357		3115	
GB-46	11/12/97	19.605		684		8561	
GF-46	11/12/97	28.740		927		12550	
GP-46	11/12/97	9.556	12.9	508	687	4173	5080
GS-46	11/12/97	18.943		461		8272	
GB-47	11/12/97	6.094		292		2661	
GF-47	11/12/97	8.528	9.34	263	326	3724	3590
GS-47	11/12/97	15.728		331		6868	
GB-48	11/12/97	20.381		530		8900	
GF-48	11/12/97	25.520		660		11144	
GP-48	11/12/97	23.821		1031		10402	
GS-48	11/12/97	28.339	23.6	1183	1910	12375	15200
GB-49	11/12/97	21.924		911		9574	
GF-49	11/12/97	20.134		532		8792	
GS-49	11/12/97	58.752		1038		25656	
GB-50	11/12/97	31.188	31.3	2943	2800	13619	13700
GF-50	11/12/97	22.829		813		9969	
GS-50	11/12/97	11.958		648		5222	
GB-51	11/12/97	26.223		1399		11451	
GF-51	11/12/97	27.233		933		11892	
GS-51	11/12/97	13.413		410		5857	
GB-52	11/12/97	2.114		123		923	
GF-52	11/12/97	7.495	38.1	262	324	3273	6590
GS-52	11/12/97	10.726		339		4684	
GB-53	11/12/97	3.900		230		1703	
GF-53	11/12/97	1.871		68		817	
GB-54	11/12/97	5.922		247		2586	
GF-54	11/12/97	11.036		622		4819	
GS-54	11/12/97	3.488		224		1523	
GB-55A	11/12/97	13.339		2354		5825	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

	Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
			Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
	GB-55B	11/12/97	2.432	1.47	184	255	1062	680
	GP-55	11/12/97	3.245		134		1417	
	GB-56	11/12/97	10.124		588		4421	
	GF-56	11/12/97	10.795		285		4714	
27	GS-56	11/12/97	15.989		1800		6982	
	GB-57	11/12/97	5.370		338		2345	
	GF-57	11/12/97	9.210	J	499	1750	4022	4100
29	GS-57	11/12/97	8.729		548		3812	
	GB-58	11/12/97	4.642		204		2027	
	GF-58	11/12/97	9.602		355		4193	
	GS-58	11/12/97	5.654		346		2469	
	GB-59	11/12/97	18.934		1087		8268	
	GF-59	11/12/97	21.409		1120		9349	
30	GG-59	11/12/97	4.935		284		2155	
	GS-59	11/12/97	6.891		279		3009	
	GB-60	11/12/97	16.163	16.4	630	626	7058	9140
31	GF-60	11/12/97	26.291		592		11481	
	GB-61	11/12/97	1.596		93		697	
	GF-61	11/12/97	2.022		66		883	
	GP-61	11/12/97	1.143		53		499	
	GS-61	11/12/97	4.557		115		1990	
	GB-62	11/12/97	2.347	2.06	131	175	1025	772
32	GF-62	11/12/97	12.432		612		5429	
	GS-62	11/12/97	5.013		267		2189	
	GB-63	11/12/97	13.202		603		5765	
33	GP-63	11/12/97	13.355		585		5832	
	GB-64	11/13/97	22.218		1200		9702	
	GF-64	11/13/97	26.127		1173		11409	
34	GG-64	11/13/97	15.975		751		6976	
	GP-64	11/13/97	15.192	16.5	608	676	6634	8440
	GS-64	11/13/97	9.325		319		4072	
	GB-65	11/13/97	56.190		1025		24537	
35	GF-65	11/13/97	6.112		155		2669	
	GS-65	11/13/97	38.044		1090		16613	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-66	11/13/97	26.733		617		11674	
36 GF-66	11/13/97	27.769		1098		12126	
GG-66	11/13/97	0.538		12		235	
GB-67	11/13/97	11.049	12.7	445	959	4825	6410
37 GF-67A	11/13/97	13.484		375		5888	
GF-67B	11/13/97	10.550		324		4607	
GP-67	11/13/97	8.862		363		3870	
GB-68	11/13/97	23.695		3590		10347	
GF-68	11/13/97	20.935		695		9142	
GS-68	11/13/97	30.024		1573		13111	
GB-69	11/13/97	19.967		1996		8719	
37 GF-69	11/13/97	5.258		238		2296	
GS-69	11/13/97	15.954		616		6967	
GB-70	11/13/97	8.436		377		3684	
GF-70	11/13/97	7.028	6.55	428	832	3069	4410
39 GS-70	11/13/97	9.112		494		3979	
GB-71	11/13/97	16.085		410		7024	
GF-71	11/13/97	12.371		306		5402	
40 GP-71	11/13/97	8.235		203		3596	
GS-71	11/13/97	20.686		556		9033	
GB-72	11/13/97	16.708		414		7296	
41 GF-72	11/13/97	9.792		344		4276	
GS-72	11/13/97	9.721		367		4245	
GB-73	11/13/97	10.845	3.06	209	134	4736	3650
GF-73A	11/13/97	26.221		406		11450	
42 GF-73B	11/13/97	37.348		484		16309	
GB-74	11/13/97	96.691		1556		42223	
43 GF-74	11/13/97	103.813		736		45333	
GS-74	11/13/97	89.651		1174		39149	
GB-75	11/13/97	24.924		1528		10884	
44 GF-75	11/13/97	28.794		2362		12574	
GP-75	11/13/97	11.640	6.01	527	652	5083	5300
GB-76	11/13/97	6.572	8.84	415	673	2870	3520
45 GF-76	11/13/97	12.975		720		5666	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-77	11/13/97	9.142		469		3992	
GF-77	11/13/97	9.204		529		4019	
46 GG-77	11/13/97	3.073	2.16	237	305	1342	805
GS-77	11/13/97	7.179		411		3135	
GB-78	11/13/97	5.191		227		2267	
GF-78	11/13/97	4.321		255		1887	
GS-78	11/13/97	5.386		273		2352	
GB-79	11/13/97	4.997		223		2182	
GF-79A	11/13/97	7.358		231		3213	
47 GF-79B	11/13/97	11.374		527		4967	
GB-80	11/13/97	17.837		352		7789	
GF-80	11/13/97	14.100		344		6157	
GB-81	11/13/97	3.627	4.69	220	208	1584	2740
GF-81	11/13/97	2.810		141		1227	
GP-81	11/13/97	2.778		142		1213	
GB-82	11/13/97	5.443		285		2377	
GF-82	11/13/97	7.049		300		3078	
GS-82	11/13/97	7.745		327		3382	
GB-83	11/13/97	6.023		159		2630	
GF-83	11/13/97	3.971		71		1734	
GG-83	11/13/97	4.289		262		1873	
GB-84	11/14/97	60.653		2542		26486	
GF-84	11/14/97	16.799	21.1	456	2150	7336	9320
TC GG-84	11/14/97	10.500		381		4585	
GS-84	11/14/97	16.410		539		7166	
GB-85	11/14/97	16.843		506		7355	
GF-85	11/14/97	4.988		223		2178	
47 GP-85	11/14/97	13.996		427		6112	
GS-85	11/14/97	3.611		176		1577	
GB-86	11/14/97	14.244		341		6220	
GF-86	11/14/97	3.620	2.83	141	172	1581	2580
GP-86	11/14/97	2.830		155		1236	
GB-87	11/14/97	3.884		211		1696	
GF-87	11/14/97	8.956		175		3911	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-87	11/14/97	4.747		155		2073	
GB-88	11/14/97	3.703		68		1617	
GF-88	11/14/97	7.113		207		3106	
GG-88	11/14/97	3.462		201		1512	
GS-88	11/14/97	3.318		127		1449	
GB-89	11/14/97	21.700		3595		9476	
TC GF-89	11/14/97	23.198	14.6	3890	4030	10130	12200
GS-89	11/14/97	21.574		4456		9421	
GB-90A	11/14/97	2.741		188		1197	
GB-90B	11/14/97	4.896		261		2138	
GF-90	11/14/97	1.118		51		488	
GG-90	11/14/97	6.831		268		2983	
GB-91	11/14/97	2.808	3.58	264	287	1226	1620
49 GF-91	11/14/97	6.897		492		3012	
GS-91	11/14/97	4.463		301		1949	
GB-92	11/14/97	6.789		367		3838	
GF-92	11/14/97	5.418		318		2366	
GG-92	11/14/97	1.988		287		868	
GB-93	11/14/97	2.313		53		1010	
GF-93	11/14/97	6.749		152		2947	
GB-94	11/14/97	1.889		69		825	
GF-94	11/14/97	1.628		58		711	
GP-94	11/14/97	2.869		43		1253	
GB-95	11/15/97	1.411		19		616	
GF-95	11/15/97	1.280		38		559	
GG-95	11/15/97	1.413		42		617	
GP-95	11/15/97	1.035		7		452	
GS-95	11/15/97	0.845		8		369	
GB-96	11/15/97	1.843		35		805	
GF-96	11/15/97	1.239		15		541	
GS-96	11/15/97	1.193		53		521	
GB-97	11/15/97	0.586	0.63	9	24.8	256	148
GF-97	11/15/97	0.575		31		251	
GP-97	11/15/97	0.879		8		384	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-97	11/15/97	0.797		39		348	
GB-98	11/15/97	0.314		28		137	
GF-98	11/15/97	2.604		54		1137	
GB-99	11/15/97	2.881	2.25	146	246	1258	895
GF-99	11/15/97	4.630		245		2022	
GS-99	11/15/97	3.043		121		1329	
GB-100	11/15/97	9.579		342		4183	
GF-100	11/15/97	3.357		235		1466	
GP-100	11/15/97	3.572	3.97	266	564	1560	3530
GS-100	11/15/97	2.679		124		1170	
GB-101	11/15/97	8.473		296		3700	
GF-101	11/15/97	3.229		122		1410	
50 GS-101	11/15/97	28.435		679		12417	
GB-102	11/15/97	1.972	2.63	107	108	861	624
GF-102	11/15/97	2.173		70		949	
GS-102	11/15/97	4.669		121		2039	
GB-103	11/15/97	0.712		16		311	
GF-103	11/15/97	1.218		71		532	
GS-103	11/15/97	0.788		12		344	
GB-104	11/15/97	17.667		337		7715	
GF-104	11/15/97	19.667		408		8588	
51 GS-104	11/15/97	28.868		630		12606	
GB-105	11/17/97	4.198		124		1833	
GF-105	11/17/97	1.289		213		563	
GS-105	11/17/97	3.996		107		1745	
GB-106	11/17/97	10.243		495		4473	
52 GF-106	11/17/97	18.107		1549		7907	
GS-106	11/17/97	7.106	6.26	208	214	3103	3560
GB-107	11/17/97	14.296		301		6243	
GF-107	11/17/97	25.490	24.1	885	765	11131	14300
53 GS-107	11/17/97	27.047		497		11811	
GB-108A	11/17/97	13.060		160		5703	
GB-108B	11/17/97	10.161		166		4437	
GB-109	11/17/97	2.082		84		909	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GF-109	11/17/97	3.446		86		1505	
GS-109	11/17/97	2.558		71		1117	
GB-110	11/17/97	0.797		15		348	
GF-110	11/17/97	1.140		37		498	
GP-110	11/17/97	3.749		129		1637	
GS-110	11/17/97	1.740		37		760	
GB-111	11/17/97	2.581		72		1127	
GF-111	11/17/97	3.847		152		1680	
GP-111	11/17/97	7.903	6.54	273	370	3451	4740
GS-111	11/17/97	3.495		119		1526	
GB-112	11/17/97	3.666		45		1601	
GF-112	11/17/97	5.157		176		2252	
GS-112	11/17/97	12.744		265		5565	
GB-113	11/17/97	4.104		148		1792	
GF-113	11/17/97	11.908		345		5200	
GS-113	11/17/97	4.076		222		1780	
50 GS-114	11/18/97	15.467		694		6754	
GB-115	11/18/97	12.348		500		5392	
55 GF-115	11/18/97	17.502	20.5	533	629	7643	8770
GB-116	11/18/97	4.953		214		2163	
GF-116	11/18/97	5.086		172		2221	
GP-116	11/18/97	3.043		113		1329	
GF-117	11/18/97	23.940		1442		10454	
66 GS-117	11/18/97	23.534		1091		10277	
GB-118	11/19/97	6.130		238		2677	
GF-118	11/19/97	11.425		307		4989	
GS-118	11/19/97	7.216		248		3151	
GB-119	11/19/97	2.498		98		1091	
GF-119	11/19/97	6.737		302		2942	
GP-119	11/19/97	4.019	4.03	206	261	1755	1570
GB-120	11/19/97	45.260		1905		19764	
GF-120	11/19/97	22.985		745		10037	
57 GS-120	11/19/97	67.825		2458		29618	
GB-121	11/19/97	1.912		209		835	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GF-121	11/19/97	4.294		200		1875	
GP-121	11/19/97	2.407		94		1051	
GB-122	11/19/97	1.058		36		462	
GF-122	11/19/97	4.740	4.4	217	242	2070	2500
GS-122	11/19/97	14.880		273		6498	
GB-123	11/19/97	4.786		248		2090	
GF-123	11/19/97	6.792		235		2966	
GS-123	11/19/97	7.658		212		3344	
GB-124	11/19/97	5.022	16.1	7028	5850	2193	4660
GF-124	11/19/97	9.808		5045		4283	
GS-124	11/19/97	13.735		5240		5998	
GB-125	11/19/97	5.180		149		2262	
GF-125	11/19/97	20.141		427		8795	
GP-125	11/19/97	7.330		202		3201	
GS-125	11/19/97	7.019		262		3065	
GB-126	12/3/97	21.208		355		9261	
GF-126	12/3/97	12.229		404		5340	
GS-126	12/3/97	33.821		479		14769	
GB-127	12/3/97	8.656		623		3780	
GF-127	12/3/97	14.793		618		6460	
GB-128	12/3/97	3.886		170		1698	
GF-128	12/3/97	23.031		533		10057	
GS-128	12/3/97	12.952		281		5656	
GF-129	12/3/97	3.401		149		1485	
GF-129A	12/3/97	8.171		626		3568	
GS-129A	12/3/97	7.660		652		3345	
GS-129B	12/3/97	5.562	5.42	461	2080	2429	2370
GB-130	12/3/97	11.539		502		5039	
GF-130	12/3/97	12.201		391		5328	
GS-130	12/3/97	11.523		255		5032	
GB-131	12/3/97	18.618		396		8130	
GF-131	12/3/97	9.980		285		4358	
GB-132	12/3/97	3.646		411		1592	
GF-132	12/3/97	2.782		154		1215	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

	Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
			Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
	GS-132	12/3/97	2.201		99		961	
	GB-133	12/4/97	5.061		231		2210	
	GF-133	12/4/97	7.880		197		3441	
	GS-133	12/4/97	5.363		238		2342	
	GP-134A	12/4/97	2.361		146		1031	
	GP-134B	12/4/97	0.369		64		161	
	GP-134c	12/4/97	2.881		120		1258	
	GP-134D	12/4/97	1.028		28		449	
	GP-134E	12/4/97	3.025		286		1321	
	GP-134F	12/4/97	2.118		286		925	
	GB-135	12/4/97	8.732		348		3813	
65	GF-135	12/4/97	22.266		1214		9723	
	GB-136A	12/4/97	30.162		1357		13171	
66	GB-136B	12/4/97	33.606		551		14675	
	GF-136	12/4/97	8.846		267		3863	
	GG-136	12/4/97	11.963		426		5224	
	GB-137	12/4/97	6.817		503		2977	
67	GF-137	12/4/97	4.752	6.7	230	295	2075	1790
	GG-137	12/4/97	5.345		299		2334	
	GS-137	12/4/97	17.022		621		7433	
	GB-138	12/4/97	10.490		412		4581	
69	GF-138	12/4/97	2.739		160		1196	
	GG-138	12/4/97	5.473		285		2390	
	GS-138	12/4/97	8.981		295		3922	
	GB-139	12/4/97	9.075		485		3963	
69	GF-139	12/4/97	13.804		578		6028	
	GS-139	12/4/97	11.244		454		4910	
	GB-140	12/4/97	0.742		40		324	
	GF-140	12/4/97	3.806	3.96	134	230	1662	1500
70	GB-141	12/5/97	11.258		637		4916	
	GF-141	12/5/97	8.413		497		3674	
	GB-142	12/5/97	12.343		669		5390	
71	GF-142	12/5/97	15.531		1591		6782	
	GS-142	12/5/97	8.860		440		3869	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-143	12/5/97	18.638		584		8139	
GF-143	12/5/97	9.410		459		4109	
GS-143	12/5/97	11.425	8.52	493	530	4989	3580
GB-144	12/5/97	10.555		612		4609	
GF-144	12/5/97	9.968		440		4353	
GB-145	12/5/97	5.959		290		2602	
GF-145	12/5/97	3.634		187		1587	
GS-145	12/5/97	5.489		333		2397	
GB-146	12/5/97	9.936		555		4339	
GF-146	12/5/97	11.810		1686		5157	
GS-146	12/5/97	4.649		321		2030	
GB-147	12/5/97	55.370	84.2	230	700	24179	33100
GF-147	12/5/97	19.607		461		8562	
GS-147	12/5/97	35.337	84.2	1010	700	15431	33100
GB-148	12/5/97	5.150		309		2249	
GF-148	12/5/97	13.119		630		5729	
GS-148	12/5/97	7.145		155		3120	
GB-149	12/5/97	1.424		46		622	
GF-149	12/5/97	1.106		79		483	
GS-149	12/5/97	0.824		71		360	
GB-150	12/5/97	1.278		56		558	
GF-150	12/5/97	9.595		196		4190	
GS-150	12/5/97	5.352	10.8	292	515	2337	3260
GB-151	12/6/97	25.286		544		11042	
GF-151	12/6/97	10.344		278		4517	
GS-151	12/6/97	5.237		138		2287	
GB-152	12/6/97	9.490		232		4144	
GF-152	12/6/97	2.773		80		1211	
GS-152	12/6/97	5.892		240		2573	
GB-153	12/7/97	2.792		104		1219	
GF-153	12/7/97	4.257		93		1859	
GS-153	12/7/97	12.964		405		5661	
GB-301	11/18/97	14.029		789		6126	
GF-301	11/18/97	21.989		1344		9602	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-302A	11/18/97	8.766		481		3828	
GB-302B	11/18/97	11.336		760		4950	
GF-302	11/18/97	39.670		1039		17323	
GG-302	11/18/97	3.664		267		1600	
GB-303	11/18/97	7.044		283		3076	
GF-303	11/18/97	5.670		348		2476	
GB-304	11/18/97	11.214		512		4897	
GF-304	11/18/97	5.242	5.97	155	157	2289	2840
GB-305	11/18/97	6.062		384		2647	
GF-305	11/18/97	3.902		190		1704	
GS-305	11/18/97	13.559		489		5921	
GB-306	11/18/97	2.095		113		915	
GF-306	11/18/97	0.426		35		186	
GS-306	11/18/97	4.901		287		2140	
GB-307	11/18/97	22.710		1073		9917	
GF-307	11/18/97	15.288	18.8	607	760	6676	6330
GB-308	11/18/97	8.258		402		3606	
GF-308	11/18/97	20.280		1264		8856	
GS-308	11/18/97	14.686		1998		6413	
GB-309	11/18/97	19.474		1894		8504	
GF-309	11/18/97	1.440	1.43	63	89.4	629	501
GS-309	11/18/97	5.040		346		2201	
GB-310	11/18/97	28.824		855		12587	
GF-310	11/18/97	60.135		908		26260	
GS-310	11/18/97	54.612		1233		23848	
GB-311	11/19/97	78.737		1047		34383	
GF-311	11/19/97	13.520		441		5904	
GS-311	11/19/97	62.828		813		27436	
GB-312	11/19/97	34.712		680		15158	
GF-312	11/19/97	9.149		233		3995	
GS-312	11/19/97	20.372	23.2	564	765	8896	10600
GB-313	11/19/97	14.697		534		6418	
GF-313	11/19/97	11.931		479		5210	
GS-313	11/19/97	7.951		377		3472	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-314	11/19/97	12.609		552		5506	
GF-314	11/19/97	7.715		871		3369	
GS-314	11/19/97	15.586	7.32	616	1630	6806	3300
GB-315	11/19/97	5.805		182		2535	
GF-315	11/19/97	2.237		71		977	
GB-316	11/19/97	22.806		476		9959	
GF-316	11/19/97	7.181		194		3136	
GS-501E	11/5/97	1.111		57		485	
GS-501N	11/5/97	2.075		57		906	
GS-501S	11/5/97	1.772		76		774	
GS-502E	11/5/97	1.335		17		583	
GS-502N	11/5/97	55.768		320		24353	
GS-502S	11/5/97	0.593		58		259	
GS-503N	11/5/97	0.554		1		242	
GS-503S	11/5/97	0.653		13		285	
GS-503W	11/5/97	1.559		11		681	
GS-504E	11/5/97	3.121		120		1363	
GS-504S	11/5/97	1.344		56		587	
GS-504W	11/5/97	2.093		62		914	
GS-505E	11/10/97	1.406	1.65	65	87.6	614	320
GS-505S	11/10/97	2.808		87		1226	
GS-505W	11/10/97	1.598		68		698	
GS-506E	11/10/97	0.795		28		347	
GS-506S	11/10/97	1.379		8		602	
GS-506W	11/10/97	0.960		40		419	
GS-507E	11/10/97	0.591		40		258	
GS-507S	11/10/97	0.921		24		402	
GS-507W	11/10/97	0.586		40		256	
GS-508E	11/10/97	0.760		28		332	
GS-508S	11/10/97	0.653		0		285	
GS-508W	11/10/97	0.595	0.37	36	20.3	260	63.1
GS-509E	11/10/97	0.827		18		361	
GS-509N	11/10/97	0.385		33		168	
GS-509S	11/10/97	2.132		35		931	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-510N	11/10/97	0.772		15		337	
GS-510S	11/10/97	2.991		67		1306	
GS-510W	11/10/97	2.503		60		1093	
GS-511E	11/10/97	1.156		42		505	
GS-511N	11/10/97	1.170	0.92	83	50.7	511	157
GS-511S	11/10/97	0.827		43		361	
GS-512E	11/10/97	0.923		32		403	
GS-512S	11/10/97	3.705		85		1618	
GS-512W	11/10/97	1.521		85		664	
GS-513S	11/10/97	1.630		39		712	
GS-513W	11/10/97	6.948		112		3034	
GS-514N	11/11/97	2.821		92		1232	
GS-514S	11/11/97	1.701	1.98	41	54.6	743	464
GS-514W	11/11/97	2.212		80		966	
GS-515E	11/11/97	1.363		45		595	
GS-515N	11/11/97	9.116		249		3981	
GS-515W	11/11/97	2.370		63		1035	
GS-516E	11/11/97	4.209		79		1838	
GS-516N	11/11/97	0.992		12		433	
GS-516S	11/11/97	1.243		32		543	
GS-517E	11/11/97	1.179		36		515	
GS-517S	11/11/97	1.095		70		478	
GS-517W	11/11/97	0.847		44		370	
GS-518E	11/11/97	0.678	0.62	15	31	296	132
GS-518N	11/11/97	0.751		11		328	
GS-518W	11/11/97	1.793		33		783	
GS-519E	11/11/97	3.900		109		1703	
GS-519S	11/11/97	4.335		205		1893	
GS-519W	11/11/97	35.277		461		15405	
GS-521N	11/11/97	4.839		162		2113	
GS-521S	11/11/97	3.446		97		1505	
GS-521W	11/11/97	1.502		22		656	
GS-522E	11/11/97	14.890		518		6502	
GS-522S	11/11/97	8.168		349		3567	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-522W	11/11/97	15.499	15.8	542	769	6768	11500
GS-523E	11/11/97	1.312		98		573	
GS-523S	11/11/97	0.879		15		384	
GS-523W	11/11/97	1.965		106		858	
GS-524E	11/11/97	1.005	0.61	40	41.1	439	129
GS-524N	11/11/97	1.255		43		548	
GS-524W	11/11/97	1.012		65		442	
GS-525N	11/12/97	1.862		79		813	
GS-525S	11/12/97	0.838		27		366	
GS-525W	11/12/97	0.859		51		375	
GS-526N	11/12/97	2.258		145		986	
GS-526S	11/12/97	1.960		87		856	
GS-527N	11/12/97	0.591		9		258	
GS-527S	11/12/97	7.058		318		3082	
GS-527W	11/12/97	1.035	0.94	37	37.5	452	217
GS-528N	11/12/97	2.230	4.8	70	60	974	810
GS-528S	11/12/97	3.396		133		1483	
GS-528W	11/12/97	4.445	9.74	189	116	1941	1900
GS-529E	11/12/97	3.092		88		1350	
GS-529N	11/12/97	0.504		33		220	
GS-529W	11/12/97	0.389		25		170	
GS-530E	11/12/97	8.452		245		3691	
GS-530N	11/12/97	2.084		86		910	
GS-530S	11/12/97	1.239		105		541	
GS-531N	11/12/97	2.746		36		1199	
GS-531S	11/12/97	0.447		15		195	
GS-531W	11/12/97	0.799		74		349	
GS-532E	11/12/97	20.605		252		8998	
GS-532W	11/12/97	1.136		42		496	
GS-533S	11/12/97	0.708		26		309	
GS-533SE	11/12/97	0.522		36		228	
GS-533W	11/12/97	0.586		15		256	
GS-534E	11/12/97	0.279		31		122	
GS-534N	11/12/97	0.682		15		298	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-534W	11/12/97	0.325		9		142	
GS-535E	11/12/97	0.955	1.07	74	32.9	417	242
GS-535S	11/12/97	0.937		40		409	
GS-535W	11/12/97	0.625		40		273	
GS-536N	11/12/97	5.496		143		2400	
GS-536S	11/12/97	9.398		211		4104	
GS-536W	11/12/97	37.744		82		16482	
GS-537E	11/13/97	2.929		268		1279	
GS-537N	11/13/97	0.330		11		144	
GS-537N2	11/13/97	0.696		20		304	
GS-537S	11/13/97	2.581	3.65	127	63.4	1127	1560
GS-538S	11/13/97	4.108		241		1794	
GS-538W	11/13/97	7.385		487		3225	
GS-539E	11/13/97	0.600		8		262	
GS-539S	11/13/97	1.947		95		850	
GS-539W	11/13/97	4.816		173		2103	
GS-540E	11/13/97	1.136		36		496	
GS-540N	11/13/97	0.914		56		399	
GS-540S	11/13/97	1.390		91		607	
GS-541N	11/13/97	1.534		60		670	
GS-541S	11/13/97	0.960		83		419	
GS-541W	11/13/97	0.779	1.15	87	43.1	340	270
GS-542E	11/13/97	2.006		85		876	
GS-542S	11/13/97	6.323		224		2761	
GS-542W	11/13/97	1.979		68		864	
GS-543N	11/13/97	0.183		19		80	
GS-543S	11/13/97	0.286		15		125	
GS-543W	11/13/97	0.380		15		166	
GS-544N	11/13/97	0.110		32		48	
GS-544S	11/13/97	0.325		17		142	
GS-544W	11/13/97	0.566		32		247	
GS-545E	11/13/97	0.268	0.2	19	18.5	117	28.5
GS-545W	11/13/97	0.222		12		97	
GS-546E	11/13/97	0.550		15		240	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-546N	11/13/97	0.293		10		128	
GS-546S	11/13/97	1.328		22		580	
GS-547N	11/13/97	0.341		24		149	
GS-547S	11/13/97	0.556		28		243	
GS-547W	11/13/97	0.181		3		79	
GS-548E	11/13/97	0.506		22		221	
GS-548N	11/13/97	0.412	0.3	30	30.3	180	69.8
GS-548S	11/13/97	2.221		163		970	
GS-549E	11/13/97	0.392		27		171	
GS-549S	11/13/97	0.534		49		233	
GS-549W	11/13/97	0.490		25		214	
GS-550N	11/13/97	0.499		8		218	
GS-550S	11/13/97	0.595		10		260	
GS-550W	11/13/97	1.273		96		556	
GS-551E	11/14/97	0.474	0.31	24	14.6	207	65.8
GS-551N	11/14/97	0.813		1		355	
GS-551S	11/14/97	0.545		17		238	
GS-552E	11/14/97	0.522		21		228	
GS-552N	11/14/97	1.818		92		794	
GS-552S	11/14/97	2.725		242		1190	
GS-553N	11/14/97	0.934		65		408	
GS-553S	11/14/97	1.312		15		573	
GS-553W	11/14/97	0.925		22		404	
GS-554N	11/14/97	15.270		339		6668	
GS-554S	11/14/97	1.683	2.41	74	53	735	567
GS-554W	11/14/97	1.271		5		555	
GS-555E	11/14/97	0.483		4		211	
GS-555N	11/14/97	2.945		84		1286	
GS-555S	11/14/97	2.228		123		973	
GS-556E	11/14/97	0.506		43		221	
GS-556N	11/14/97	0.428		55		187	
GS-556S	11/14/97	0.497		45		217	
GS-557E	11/14/97	1.221		55		533	
GS-557S	11/14/97	1.965		122		858	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-557W	11/14/97	2.130	2.64	94	58.1	930	676
GS-558E	11/14/97	3.389		127		1480	
GS-558N	11/14/97	5.349		175		2336	
GS-558W	11/14/97	1.576		87		688	
GS-559E	11/14/97	0.815		34		356	
GS-559S	11/14/97	1.463		55		639	
GS-559W	11/14/97	3.160		82		1380	
GS-560E	11/14/97	6.728		325		2938	
GS-560S	11/14/97	7.250		293		3166	
GS-560W	11/14/97	5.420		256		2367	
GS-561E	11/14/97	0.632		1		276	
GS-561S	11/14/97	0.717		50		313	
GS-561W	11/14/97	3.359	5.09	92	46.1	1467	805
GS-562N	11/14/97	1.131		13		494	
GS-562S	11/14/97	0.394		15		172	
GS-562W	11/14/97	1.351		40		590	
GS-563E	11/14/97	2.437		125		1064	
GS-563S	11/14/97	2.210		90		965	
GS-563W	11/14/97	4.296		157		1876	
GS-564N	11/15/97	1.085		34		474	
GS-564S	11/15/97	5.613		235		2451	
GS-564W	11/15/97	1.280		32		559	
GS-565N	11/15/97	0.492		24		215	
GS-565S	11/15/97	0.559		27		244	
GS-565W	11/15/97	0.893		41		390	
GS-566N	11/15/97	1.319		38		576	
GS-566S	11/15/97	6.442		106		2813	
GS-566W	11/15/97	0.879	0.82	63	65.8	384	264
GS-567E	11/15/97	1.571		31		686	
GS-567N	11/15/97	1.903		93		831	
GS-567S	11/15/97	7.010		131		3061	
GS-568N	11/15/97	0.582		46		254	
GS-568S	11/15/97	0.483		27		211	
GS-568W	11/15/97	0.392		4		171	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-569N	11/15/97	3.055		92		1334	
GS-569S	11/15/97	2.858		95		1248	
GS-569W	11/15/97	2.265		61		989	
GS-570E	11/15/97	2.840		111		1240	
GS-570N	11/15/97	1.477		15		645	
GS-570S	11/15/97	3.039		89		1327	
GS-571N	11/15/97	0.916	0.56	11	22.1	400	116
GS-571N2	11/15/97	0.137		28		60	
GS-571S	11/15/97	1.392		76		608	
GS-572E	11/15/97	1.482		65		647	
GS-572S	11/15/97	0.877		23		383	
GS-572W	11/15/97	0.980		40		428	
GS-573E	11/15/97	1.319		63		576	
GS-573W	11/15/97	1.486		76		649	
GS-574E	11/15/97	0.593		22		259	
GS-574S	11/15/97	1.099		80		480	
GS-574W	11/15/97	0.898		56		392	
GS-575E	11/17/97	1.445		40		631	
GS-575N	11/17/97	0.698		22		305	
GS-576E	11/17/97	4.136		293		1806	
GS-576S	11/17/97	13.353		369		5831	
GS-576W	11/17/97	1.553		79		678	
GS-577N	11/17/97	0.971	1.2	63	36.1	424	297
GS-577S	11/17/97	0.662		9		289	
GS-577W	11/17/97	3.643		15		1591	
GS-578E	11/17/97	1.340	0.69	48	46.2	585	252
GS-578SW	11/17/97	1.777		67		776	
GS-578W	11/17/97	2.269		70		991	
GS-579E	11/17/97	1.305		70		570	
GS-579N	11/17/97	1.413		25		617	
GS-579W	11/17/97	0.582		48		254	
GS-580S	11/17/97	0.458		6		200	
GS-580SW	11/17/97	0.465		2		203	
GS-581E	11/17/97	0.792		36		346	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample ID	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-581S	11/17/97	0.790	1.11	37	34.7	345	320
GS-581W	11/17/97	1.521		54		664	
GS-582E	11/17/97	0.678		51		296	
GS-582NE	11/17/97	0.822		21		359	
GS-582W	11/17/97	0.671		40		293	
GS-583N	11/17/97	1.853		61		809	
GS-583S	11/17/97	1.672		53		730	
GS-583W	11/17/97	0.802		38		350	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GB-154	7/10/98	2.42		399		1055	
93 GF-154	7/10/98	5.268	7.1	494	831	3090	
GS-154	7/10/98	0.0695	1.8	423	552	324	
GB-155	7/10/98	0.337		81		147	
GF-155	7/10/98	0.470		88		205	
GG-155	7/10/98	0.589		57		257	
GS-155	7/10/98	0.307		58		134	
GB-156	7/10/98	37.780	94	1053	5620	16472	27500
TC GF-156	7/10/98	27.688	53.6	1337	1870	12072	22700
GS-156	7/10/98	45.651	75	1349	1850	19904	29600
GB-157	7/10/98	77.984	69	1498	2020	34001	52500
94 GF-157	7/10/98	107.686	73.8	1637	1810	46951	66600
GB-158	7/10/98	24.537	93	590	700	10698	18600
95 GS-158	7/10/98	17.055	31	653	890	7436	8450
GB-159	7/10/98	17.739	25	893	1380	7734	9270
96 GF-159	7/10/98	40.133	8.6	993	297	17498	4340
GB-160	7/10/98	13.690	29	2429	4760	5969	7810
TC GS-160	7/10/98	16.979	35	1002	1590	7403	7130
GF-160	7/10/98	8.257	10	940	1720	3600	3070
GS-160	7/10/98	16.979	35	1002	1590	7403	7130
GS-161	7/10/98	11.975	14	388	410	5221	6790
GS-162	7/10/98	4.369	1.4	357	103	1905	334
GB-163	7/11/98	4.367		244		1904	
GF-163	7/10/98	13.459	9	355	490	5868	3650
GS-163	7/10/98	5.784		272		2522	
GF-164	7/10/98	0.720		49		314	
GB-164a	7/11/98	1.179		84		514	
GB-164b	7/11/98	1.573		129		686	
GF-164	7/10/98	0.720		49		314	
GP-165	7/10/98	1.213		59		529	
GB-165	7/11/98	1.509		164		658	
91 GF-165	7/10/98	8.697	9	468	960	3792	4280
GP-165	7/10/98	1.213		59		529	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-165	7/10/98	1.044		53		455	
GF-166	7/10/98	2.000		120		872	
GB-166	7/11/98	0.376		57		164	
GF-166	7/10/98	2.000		120		872	
GS-166	7/10/98	0.780		83		340	
GF-167	7/10/98	0.842		124		367	
GB-167	7/11/98	0.661		74		288	
GF-167	7/10/98	0.842		124		367	
GS-167	7/10/98	0.390		85		170	
GF-168	7/10/98	1.947		132		849	
GB-168	7/11/98	0.608		61		265	
GF-168	7/10/98	1.947		132		849	
GS-168	7/10/98	0.858		94		374	
GP-168	7/10/98	1.289		140		562	
GB-169	7/11/98	2.803		222		1222	
GF-169	7/10/98	14.323	26	401	430	6245	7760
GS-169	7/10/98	4.383		252		1911	
GG-170	7/10/98	4.273	2.3	328	400	1863	2240
GB-170	7/11/98	4.982	4.3	474	762	2172	2480
GG-170	7/10/98	4.273	2.3	328	400	1863	2240
GS-170	7/10/98	5.750	4.4	481	850	2507	1870
GF-170	7/10/98	10.759	9.6	946	1760	4691	6550
GB-171	7/11/98	11.560		267		5040	
GF-171	7/10/98	6.333		177		2761	
GS-171	7/10/98	5.995		187		2614	
GF-171	7/10/98	6.333		177		2761	
GB-172	7/11/98	2.516		120		1097	
GF-172	7/10/98	3.761		173		1640	
GS-172	7/10/98	4.856		273		2117	
GF-172	7/10/98	3.761		173		1640	
GF-173	7/10/98	0.929		25		405	
GB-173	7/11/98	0.388		74		169	
GF-173	7/10/98	0.929		25		405	

SOIL RESULTS
REMOVAL SITE EVALUATION
GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-173	7/10/98	0.537		46		234	
GF-174	7/10/98	5.337		326		2327	
GB-174	7/11/98	21.158	17.2	2104	3340	9225	9040
GF-174	7/10/98	5.337		326		2327	
GS-174	7/10/98	6.644		227		2897	
GB-175	7/11/98	1.369		44		597	
GF-175	7/10/98	2.516		154		1097	
GS-175	7/10/98	1.069		81		466	
GF-175	7/10/98	2.516		154		1097	
GP-176	7/10/98	1.993		112		869	
GF-176	7/10/98	1.236		112		539	
GB-176	7/11/98	3.140		127		1369	
GP-176	7/10/98	1.993		112		869	
GS-176	7/10/98	1.300		72		567	
GF-177	7/10/98	1.323		47		577	
GB-177	7/11/98	0.356		62		155	
GF-177	7/10/98	1.323		47		577	
GS-177	7/10/98	1.078		101		470	
GB-178	7/11/98	1.294		102		564	
GS-178	7/10/98	1.062		87		463	
GB-179	7/11/98	1.106		133		482	
GG-179	7/10/98	0.000		0		0	
GF-179	7/10/98	0.383		68		167	
GF-179	7/10/98	0.383		68		167	
GG-179	7/10/98	0.711		86		310	
GS-179	7/10/98	0.406		53		177	
GB-180	8/27/98	1.718		504		749	
GF-180	7/10/98	1.080		336		471	
GS-180	7/10/98	0.635		174		277	
GB-181	8/27/98	31.947		1033		13929	
GF-181	7/10/98	0.858		99		374	
GS-181	7/10/98	1.197		317		522	
GS-584e	7/8/98	4.975		215		2169	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-584n	7/8/98	2.725		153		1188	
GS-584s	7/8/98	3.278		135		1429	
GS-585n	7/8/98	0.803		47		350	
GS-585n	7/8/98	1.372		62		598	
GS-585s	7/8/98	3.394		61		1480	
GS-586g	7/8/98	0.124		46		54	
GS-586n	7/8/98	0.000		40		0	
GS-586s	7/8/98	0.112		48		49	
GS-587n	7/8/98	3.186		156		1389	
GS-587p	7/8/98	1.585		110		691	
GS-587s	7/8/98	3.523		91		1536	
GS-587w	7/8/98	2.197		142		958	
GS-588e	7/9/98	0.562		64		245	
GS-588n	7/9/98	0.463		57		202	
GS-588s	7/9/98	1.266		80		552	
GS-589e	7/9/98	0.883		80		385	
GS-589p	7/9/98	0.697		38		304	
GS-589s	7/9/98	1.330		69		580	
GS-589w	7/9/98	0.709		65		309	
GS-590e	7/9/98	1.305		61		569	
GS-590s	7/9/98	1.567		57		683	
GS-590w	7/9/98	1.924		77		839	
GS-591e	7/9/98	0.798		57		348	
GS-591n	7/9/98	1.413		126		616	
GS-591s	7/9/98	2.138		53		932	
GS-592e	7/9/98	0.885		64		386	
GS-592s	7/9/98	1.170		70		510	
GS-592w	7/9/98	1.232		86		537	
GS-593e	7/9/98	3.736		145		1629	
GS-593n	7/9/98	0.734		67		320	
GS-593w	7/9/98	1.241		81		541	
GS-594e	7/9/98	5.940		369		2590	
GS594g	7/9/98	1.651		132		720	

SOIL RESULTS
REMOVAL SITE EVALUATION
GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-594s	7/9/98	5.119		390		2232	
GS-594w	7/9/98	1.495		129		652	
GS-595e	7/9/98	0.764		52		333	
GS-595g	7/9/98	0.688		78		300	
GS-595s	7/9/98	0.587		48		256	
GS-595w	7/9/98	1.752		90		764	
GS-596e	7/9/98	4.124		1521		1798	
GS-596e	7/9/98	3.810		1490		1661	
GS-596s	7/9/98	2.037		53		888	
GS-596w	7/9/98	2.617		91		1141	
GS-597e	7/9/98	1.057		79		461	
GS-597s	7/9/98	1.677		71		731	
GS-597w	7/9/98	1.736		126		757	
GS-598n	7/9/98	0.390		101		170	
GS-598s	7/9/98	1.431		47		624	
GS-599e	7/9/98	0.603		37		263	
GS-599g	7/9/98	0.000		49		0	
GS-599s	7/9/98	0.869		34		379	
GS-599w	7/9/98	0.523		60		228	
GS-600n	7/9/98	0.161		36		70	
GS-600s	7/9/98	0.151		6		66	
GS-600w	7/9/98	0.259		41		113	
GS-601e	7/9/98	2.991		174		1304	
GS-601p	7/9/98	0.984		122		429	
GS-601s	7/9/98	2.844		137		1240	
GS-601w	7/9/98	0.901		86		393	
GS-602e	7/9/98	2.651		82		1156	
GS-602n	7/9/98	2.677		184		1167	
GS-602w	7/9/98	5.706		166		2488	
GS-603n	7/9/98	1.011		59		441	
GS-603p	7/9/98	2.463		87		1074	
GS-603s	7/9/98	0.456		60		199	
GS-603w	7/9/98	1.046		41		456	

SOIL RESULTS

REMOVAL SITE EVALUATION

GRANBY SUBDISTRICT, NEWTON COUNTY, MISSOURI

Sample	Date Sampled	Cadmium (mg/kg)		Lead (mg/kg)		Zinc (mg/kg)	
		Calculated	Lab Result	XRF Result	Lab Result	XRF Result	Lab Result
GS-604n	7/10/98	0.181		89		79	
GS-604p	7/10/98	0.842		83		367	
GS-604s	7/10/98	0.626		63		273	
GS-604w	7/10/98	0.110		0		48	
GS-605e	7/10/98	0.225		47		98	
GS-605g	7/10/98	0.101		0		44	
GS-605n	7/10/98	0.294		31		128	
GS-605p	7/10/98	0.181		0		79	
GS-605s	7/10/98	0.413		30		180	
GS-606e	7/10/98	0.307		40		134	
GS-606n	7/10/98	0.367		29		160	
GS-606s	7/10/98	0.472		44		206	
GS-607e	7/10/98	0.780		59		340	
GS-607n	7/10/98	2.351		90		1025	
GS-607s	7/10/98	0.530		55		231	
GS-608e	7/10/98	0.688		48		300	
GS-608n	7/10/98	1.351		54		589	
GS-608p	7/10/98	0.236		14		103	
GS-608s	7/10/98	0.899		37		392	

Appendix A-2:

Black & Veatch and Ecology and Environment, Inc.
Unpublished Yard Soil Data

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
3404	W	32ND	STREET	JOPLIN	J-0379-B2-P	41	23.1	70.3
3404	W	32ND	STREET	JOPLIN	J-0379-DZ-P	41	26.5	75.5
3404	W	32ND	STREET	JOPLIN	J-0379-F1-P	27	30	71.4
3404	W	32ND	STREET	JOPLIN	J-0379-B1-P	39	30.7	77.7
3404	W	32ND	STREET	JOPLIN	J-0379-F2-P	41	32	65.2
507	WEST	33RD	STREET	JOPLIN	J-0458-DZ-P	42	46.1	132
507	WEST	33RD	STREET	JOPLIN	J-0458-F1-P	42	61	292
507	WEST	33RD	STREET	JOPLIN	J-0458-B1-P	52	75.7	667
519	WEST	33RD	STREET	JOPLIN	J-0459-DZ-P	59	50.8	326
519	WEST	33RD	STREET	JOPLIN	J-0459-B1-P	50	65.4	474
519	WEST	33RD	STREET	JOPLIN	J-0459-F1-P	60	80.3	304
601	WEST	33RD	STREET	JOPLIN	J-0460-F1-P	47	55.7	490
601	WEST	33RD	STREET	JOPLIN	J-0460-B1-P	52	200	1820
601	WEST	33RD	STREET	JOPLIN	J-0460-DZ-P	64	258	2330
615	WEST	33RD	STREET	JOPLIN	J-0461-B1-P	48	41.4	323
615	WEST	33RD	STREET	JOPLIN	J-0461-DZ-P	49	72.8	1380
615	WEST	33RD	STREET	JOPLIN	J-0461-F1-P	60	78.1	446
621	WEST	33RD	STREET	JOPLIN	J-0462-DZ-P	51	58.8	289
621	WEST	33RD	STREET	JOPLIN	J-0462-F1-P	64	68.2	388
621	WEST	33RD	STREET	JOPLIN	J-0462-B1-P	57	77.6	509
318	EAST	34TH	STREET	JOPLIN	J-0463-F1-P	60	74.7	317
318	EAST	34TH	STREET	JOPLIN	J-0463-B2-P	64	81.3	365
318	EAST	34TH	STREET	JOPLIN	J-0463-DZ-P	60	141	1440
318	EAST	34TH	STREET	JOPLIN	J-0463-B1-P	58	230	2100
323	EAST	34TH	STREET	JOPLIN	J-0464-B1-P	53	46	130
323	EAST	34TH	STREET	JOPLIN	J-0464-F1-P	36	50.8	271
323	EAST	34TH	STREET	JOPLIN	J-0464-DZ-P	52	103	393
327	EAST	34TH	STREET	JOPLIN	J-0465-F1-P	480	37.7	130
327	EAST	34TH	STREET	JOPLIN	J-0465-B1-P	34	45.9	242
327	EAST	34TH	STREET	JOPLIN	J-0465-DZ-P	50	287	731
402	EAST	34TH	STREET	JOPLIN	J-0466-F2-P	64	46.2	178
402	EAST	34TH	STREET	JOPLIN	J-0466-B2-P	54	54.7	209
402	EAST	34TH	STREET	JOPLIN	J-0466-F1-P	76	56.8	197
402	EAST	34TH	STREET	JOPLIN	J-0466-B1-P	74	59	140
402	EAST	34TH	STREET	JOPLIN	J-0466-DZ-P	61	88	800
410	EAST	34TH	STREET	JOPLIN	J-0467-DZ-P	61	47	179
410	EAST	34TH	STREET	JOPLIN	J-0467-B1-P	45	55.4	275
410	EAST	34TH	STREET	JOPLIN	J-0467-B2-P	71	61.2	319
410	EAST	34TH	STREET	JOPLIN	J-0467-F2-P	67	139	1110
410	EAST	34TH	STREET	JOPLIN	J-0467-F1-P	48	162	1100
219	WEST	41ST	STREET	JOPLIN	J-0468-F2-P	110	40.4	244
219	WEST	41ST	STREET	JOPLIN	J-0468-DZ-P	81	47.1	207
219	WEST	41ST	STREET	JOPLIN	J-0468-B2-P	73	52.1	319
219	WEST	41ST	STREET	JOPLIN	J-0468-F1-P	94	62.7	283
314	WEST	41ST	STREET	JOPLIN	J-0469-B1-P	67	186	822
314	WEST	41ST	STREET	JOPLIN	J-0469-F1-P	65	191	1470
314	WEST	41ST	STREET	JOPLIN	J-0469-F2-P	51	202	1310
314	WEST	41ST	STREET	JOPLIN	J-0469-DZ-P	59	223	1350
314	WEST	41ST	STREET	JOPLIN	J-0469-B2-P	50	229	1190
315	WEST	41ST	STREET	JOPLIN	J-0470-F1-P	59	45.1	316
315	WEST	41ST	STREET	JOPLIN	J-0470-F2-P	50	65.8	473
315	WEST	41ST	STREET	JOPLIN	J-0470-DZ-P	58	66.7	468
315	WEST	41ST	STREET	JOPLIN	J-0470-B1-P	47	114	369
315	WEST	41ST	STREET	JOPLIN	J-0470-B2-P	52	151	387
330	WEST	41ST	STREET	JOPLIN	J-0471-DZ-P	66	36.9	371
330	WEST	41ST	STREET	JOPLIN	J-0471-B1-P	54	41.2	168
330	WEST	41ST	STREET	JOPLIN	J-0471-F1-P	54	43.8	158
330	WEST	41ST	STREET	JOPLIN	J-0471-B2-P	57	44.1	344

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
330	WEST	41ST	STREET	JOPLIN	J-0471-F2-P	62	57.6	221
331	WEST	41ST	STREET	JOPLIN	J-0472-F1-P	53	28.6	131
331	WEST	41ST	STREET	JOPLIN	J-0472-F2-P	62	47.3	263
331	WEST	41ST	STREET	JOPLIN	J-0472-B1-P	49	51	27
331	WEST	41ST	STREET	JOPLIN	J-0472-B2-P	43	52	395
331	WEST	41ST	STREET	JOPLIN	J-0472-DZ-P	50	62.7	649
217	WEST	42ND	STREET	JOPLIN	J-0473-B2-P	68	92.3	241
217	WEST	42ND	STREET	JOPLIN	J-0473-F2-P	58	95.8	575
217	WEST	42ND	STREET	JOPLIN	J-0473-B1-P	61	123	361
217	WEST	42ND	STREET	JOPLIN	J-0473-F1-P	58	147	564
217	WEST	42ND	STREET	JOPLIN	J-0473-DZ-P	66	158	620
527	WEST	42ND	STREET	JOPLIN	J-0474-F2-P	45.9	32.1	168
527	WEST	42ND	STREET	JOPLIN	J-0474-F1-P	60	50	213
527	WEST	42ND	STREET	JOPLIN	J-0474-B1-P	57	55.8	147
527	WEST	42ND	STREET	JOPLIN	J-0474-DZ-P	72	60.2	910
527	WEST	42ND	STREET	JOPLIN	J-0474-B2-P	53	62.1	162
601	WEST	42ND	STREET	JOPLIN	J-0475-B1-P	65	32.4	155
601	WEST	42ND	STREET	JOPLIN	J-0475-F1-P	58	35.5	211
601	WEST	42ND	STREET	JOPLIN	J-0475-F2-P	66	36.9	210
601	WEST	42ND	STREET	JOPLIN	J-0475-DZ-P	70	41.2	159
601	WEST	42ND	STREET	JOPLIN	J-0475-B2-P	68	46.5	136
130	WEST	43RD	STREET	JOPLIN	J-0476-B1-P	54	49.8	245
130	WEST	43RD	STREET	JOPLIN	J-0476-B2-P	56	193	578
130	WEST	43RD	STREET	JOPLIN	J-0476-F2-P	76	196	1310
130	WEST	43RD	STREET	JOPLIN	J-0476-F1-P	57	310	1620
130	WEST	43RD	STREET	JOPLIN	J-0476-DZ-P	65	4070	3430
218	WEST	43RD	STREET	JOPLIN	J-0477-B2-P	63	113	398
218	WEST	43RD	STREET	JOPLIN	J-0477-B1-P	59	140	602
218	WEST	43RD	STREET	JOPLIN	J-0477-F2-P	62	243	1070
218	WEST	43RD	STREET	JOPLIN	J-0477-F1-P	57	265	863
218	WEST	43RD	STREET	JOPLIN	J-0477-DZ-P	79	1110	2200
309	WEST	43RD	STREET	JOPLIN	J-0478-B2-P	54	87.3	298
309	WEST	43RD	STREET	JOPLIN	J-0478-F1-P	59	94.9	613
309	WEST	43RD	STREET	JOPLIN	J-0478-B1-P	61	120	270
309	WEST	43RD	STREET	JOPLIN	J-0478-F2-P	54	137	652
309	WEST	43RD	STREET	JOPLIN	J-0478-DZ-P	59	585	1260
321	WEST	43RD	STREET	JOPLIN	J-0479-F1-P	68	122	1040
321	WEST	43RD	STREET	JOPLIN	J-0479-F2-P	67	135	734
321	WEST	43RD	STREET	JOPLIN	J-0479-B1-P	62	159	1150
321	WEST	43RD	STREET	JOPLIN	J-0479-B2-P	86	415	537
321	WEST	43RD	STREET	JOPLIN	J-0479-DZ-P	90	2060	1080
121	WEST	44TH	ST	JOPLIN	J-0481-F1-P	65	40.4	149
121	WEST	44TH	ST	JOPLIN	J-0481-B1-P	51	51.7	148
121	WEST	44TH	ST	JOPLIN	J-0481-B2-P	75	59.1	236
121	WEST	44TH	ST	JOPLIN	J-0481-DZ-P	48	73.8	185
320	WEST	44TH		JOPLIN	J-0484-B1-P	71	32	606
320	WEST	44TH		JOPLIN	J-0484-B2-P	75	34	950
320	WEST	44TH		JOPLIN	J-0484-F1-P	64	54.8	316
320	WEST	44TH		JOPLIN	J-0484-F2-P	71	74.7	798
320	WEST	44TH		JOPLIN	J-0484-DZ-P	73	169	1940
330	WEST	44TH		JOPLIN	J-0485-B1-P	59	38.2	196
330	WEST	44TH		JOPLIN	J-0485-B2-P	51	45.4	76.5
330	WEST	44TH		JOPLIN	J-0485-F2-P	62	96.9	388
330	WEST	44TH		JOPLIN	J-0485-F1-P	60	119	826
330	WEST	44TH		JOPLIN	J-0485-DZ-P	65	214	1210
409	W	44TH	STREET	JOPLIN	J-0486-DZ-P	55	45.8	281
409	W	44TH	STREET	JOPLIN	J-0486-F2-P	60	83.9	413
409	W	44TH	STREET	JOPLIN	J-0486-B1-P	74	98.7	654

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
409	W	44TH	STREET	JOPLIN	J-0486-B2-P	48	108	478
409	W	44TH	STREET	JOPLIN	J-0486-F1-P	46	110	513
409	WEST	45TH	ST	JOPLIN	J-0488-B1-P	48	34.9	121
409	WEST	45TH	ST	JOPLIN	J-0488-B2-P	57	48.7	179
409	WEST	45TH	ST	JOPLIN	J-0488-F1-P	48	70.4	112
409	WEST	45TH	ST	JOPLIN	J-0488-DZ-P	52	74.4	435
409	WEST	45TH	ST	JOPLIN	J-0488-F2-P	62	84.6	286
4428		AARDVARK	DR.	JOPLIN	E-6835-B2-P	180	28	268
4428		AARDVARK	DR.	JOPLIN	E-6835-F1-P	150	30.2	103
4428		AARDVARK	DR.	JOPLIN	E-6835-DZ-P	253	35.7	135
4428		AARDVARK	DR.	JOPLIN	E-6835-B1-P	130	37	110
4428		AARDVARK	DR.	JOPLIN	E-6835-F2-P	173	50.1	509
4457		AARDVARK	DR.	JOPLIN	E-6840-DZ-P	120	32.2	70.9
4457		AARDVARK	DR.	JOPLIN	E-6840-B1-P	325	33.1	112
4457		AARDVARK	DR.	JOPLIN	E-6840-F1-P	150	35	64
4457		AARDVARK	DR.	JOPLIN	E-6840-B2-P	280	38	79.1
4457		AARDVARK	DR.	JOPLIN	E-6840-F2-P	148	43.6	156
4535		AARDVARK	DR.	JOPLIN	E-6844-B1-P	232	30	56
4535		AARDVARK	DR.	JOPLIN	E-6844-DZ-P	302	41	300
4535		AARDVARK	DR.	JOPLIN	E-6844-B2-P	268	48	317
4535		AARDVARK	DR.	JOPLIN	E-6844-F1-P	235	59.7	178
4535		AARDVARK	DR	JOPLIN	E-6844-F2-P	120	574	1490
4605		AARDVARK	DR.	JOPLIN	E-6845-F2-P	87	47.3	150
4605		AARDVARK	DR.	JOPLIN	E-6845-F1-P	72	88.1	232
4605		AARDVARK	DR.	JOPLIN	E-6845-B1-P	76	143	834
4605		AARDVARK	DR.	JOPLIN	E-6845-B2-P	65	145	504
4605		AARDVARK	DR	JOPLIN	E-6845-DZ-P	77	456	1040
2952		ALPACA	RD	JOPLIN	J-4048-B2-P	NT	42.3	319
2952		ALPACA	RD	JOPLIN	J-4048-F1-P	NT	59.9	1050
2952		ALPACA	RD	JOPLIN	J-4048-B1-P	NT	63.7	559
2952		ALPACA	RD	JOPLIN	J-4048-F2-P	NT	72.2	989
2952		ALPACA	RD	JOPLIN	J-4048-DZ-P	NT	93	1020
2959		ALPACA	RD	JOPLIN	J-4068-B2-P	61	21	73.3
2959		ALPACA	RD	JOPLIN	J-4068-F1-P	56	24	106
2959		ALPACA	RD	JOPLIN	J-4068-B1-P	73	25	76.8
2959		ALPACA	RD	JOPLIN	J-4068-DZ-P	51	26	79.5
2959		ALPACA	RD	JOPLIN	J-4068-F2-P	78	26.8	111
3419		ALPACA	RD	JOPLIN	J-4071-DZ-P	NT	39.4	89.2
3419		ALPACA	RD	JOPLIN	J-4071-B1-P	NT	49	160
3419		ALPACA	RD	JOPLIN	J-4071-F2-P	NT	55	79
3419		ALPACA	RD	JOPLIN	J-4071-F1-P	NT	56	73
3419		ALPACA	RD	JOPLIN	J-4071-B2-P	NT	227	557
3555		ALPACA		JOPLIN	E-7243-F2-P	NT	54	103
3555		ALPACA		JOPLIN	E-7243-B2-P	NT	55	88.5
3555		ALPACA		JOPLIN	E-7243-F1-P	NT	56	120
3555		ALPACA		JOPLIN	E-7243-B1-P	NT	66.8	96.9
3555		ALPACA		JOPLIN	E-7243-DZ-P	NT	ND	146
4109		ALPACA	RD.	JOPLIN	E-6993-B1-P	225	27	65
4109		ALPACA	RD.	JOPLIN	E-6993-DZ-P	229	28	361
4109		ALPACA	RD.	JOPLIN	E-6993-F2-P	201	52.2	85
4109		ALPACA	RD.	JOPLIN	E-6993-F1-P	130	64.3	83.5
4109		ALPACA	RD.	JOPLIN	E-6993-B2-P	165	69.3	98.8
4247		ALPACA	RD.	JOPLIN	E-6814-F1-P	59	28	109
4247		ALPACA	RD.	JOPLIN	E-6814-F2-P	64	34.4	89.4
4247		ALPACA	RD.	JOPLIN	E-6814-B2-P	73	42.1	66.8
4247		ALPACA	RD.	JOPLIN	E-6814-B1-P	69	56.1	193
4247		ALPACA	RD.	JOPLIN	E-6814-DZ-P	70	61.4	150
11013		AMELIA	LN	JOPLIN	J-0249-B1-P	33	82.5	234

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
11013	AMELIA	LN	JOPLIN	J-0249-B2-P	43	85.3	157
11013	AMELIA	LN	JOPLIN	J-0249-F2-P	38	100	2480
11013	AMELIA	LN	JOPLIN	J-0249-DZ-P	41	116	319
11013	AMELIA	LN	JOPLIN	J-0249-F1-P	36	804	659
11013	AMELIA	LN	JOPLIN	J-0249-F1-CP	3.8	900	873
11053	AMELIA	LN	JOPLIN	J-0250-DZ-P	62	78.6	138
11053	AMELIA	LN	JOPLIN	J-0250-F1-P	55	106	79.9
11053	AMELIA	LN	JOPLIN	J-0250-B1-P	51	372	308
11053	AMELIA	LN	JOPLIN	J-0250-B1-CD	3.6	751	389
11053	AMELIA	LN	JOPLIN	J-0250-B1-CP	3.8	805	431
11203	AMELIA	LN	JOPLIN	J-0252-B2-P	40	24	38
11203	AMELIA	LN	JOPLIN	J-0252-DZ-P	43	37.5	48.7
11203	AMELIA	LN	JOPLIN	J-0252-F1-P	49	53.1	72.2
11203	AMELIA	LN	JOPLIN	J-0252-F2-P	52	55.9	43
11203	AMELIA	LN	JOPLIN	J-0252-B1-P	50	57.4	61.1
11379	AMELIA	LN	JOPLIN	J-0253-F2-P	46	49.4	116
11379	AMELIA	LN	JOPLIN	J-0253-B2-P	45	75.8	830
11379	AMELIA	LN	JOPLIN	J-0253-B1-P	56	80.1	460
11379	AMELIA	LN	JOPLIN	J-0253-DZ-P	42	97.9	889
11379	AMELIA	LN	JOPLIN	J-0253-F1-P	42	114	1160
11471	AMELIA	LN	JOPLIN	J-0254-F2-P	38	18.4	122
11471	AMELIA	LN	JOPLIN	J-0254-B1-P	45	24.5	58.7
11471	AMELIA	LN	JOPLIN	J-0254-DZ-P	42	25.7	81.8
11471	AMELIA	LN	JOPLIN	J-0254-B2-P	36	33.7	74.9
11471	AMELIA	LN	JOPLIN	J-0254-F1-P	45	37.3	57
11481	AMELIA	LN	JOPLIN	J-0255-BY-P	30	81.7	245
11481	AMELIA	LN	JOPLIN	J-0255-DZ-P	44	86.6	276
11481	AMELIA	LN	JOPLIN	J-0255-FY-P	38	238	219
11491	AMELIA	LN	JOPLIN	J-0256-B1-P	30	69	362
11491	AMELIA	LN	JOPLIN	J-0256-B2-P	45	117	186
11491	AMELIA	LN	JOPLIN	J-0256-B2-CP	ND	160	240
11491	AMELIA	LN	JOPLIN	J-0256-F1-P	38	281	846
11491	AMELIA	LN	JOPLIN	J-0256-F2-P	38	287	521
11491	AMELIA	LN	JOPLIN	J-0256-DZ-P	41	357	763
10091	AMY	LN	JOPLIN	E-6549-F2-P	NT	53	94.3
10091	AMY	LN	JOPLIN	E-6549-B1-P	NT	57	75
10091	AMY	LN	JOPLIN	E-6549-F1-P	NT	59	138
10091	AMY	LN	JOPLIN	E-6549-B2-P	NT	65.4	135
10091	AMY	LN	JOPLIN	E-6549-DZ-P	NT	117	218
1046	ANCIENT OAKS		JOPLIN	J-0100-B1-P	50	342	2780
1046	ANCIENT OAKS		JOPLIN	J-0100-F1-P	41	459	2300
1046	ANCIENT OAKS		JOPLIN	J-0100-DZ-P	50	504	2040
1046	ANCIENT OAKS		JOPLIN	J-0100-F2-P	32	514	1330
1046	ANCIENT OAKS		JOPLIN	J-0100-B2-P	51	834	5020
1090	ANCIENT OAKS		JOPLIN	J-0101-DZ-P	35	116	487
1090	ANCIENT OAKS		JOPLIN	J-0101-BY-P	34	193	517
1090	ANCIENT OAKS		JOPLIN	J-0101-FY-P	40	219	1150
1348	ANCIENT OAKS		JOPLIN	J-0102-F1-P	32	49	311
1348	ANCIENT OAKS		JOPLIN	J-0102-B1-P	42	68.1	405
1348	ANCIENT OAKS		JOPLIN	J-0102-B2-CP	2.7	80.5	476
1348	ANCIENT OAKS		JOPLIN	J-0102-B2-P	38	84.7	421
1348	ANCIENT OAKS		JOPLIN	J-0102-F2-P	34	89.8	566
1348	ANCIENT OAKS		JOPLIN	J-0102-DZ-P	33	133	796
4263	ANNETTA	LN	JOPLIN	J-0365-F1-P	35	43.4	184
4263	ANNETTA	LN	JOPLIN	J-0365-B2-P	35	43.6	114
4263	ANNETTA	LN	JOPLIN	J-0365-F2-P	44	50.2	141
4263	ANNETTA	LN	JOPLIN	J-0365-DZ-P	33	68	393
4263	ANNETTA	LN	JOPLIN	J-0365-B1-P	42	88.5	428

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4265	ANNETTA	LN	JOPLIN	J-0372-B1-P	59	29.5	120
4265	ANNETTA	LN	JOPLIN	J-0372-B2-P	60	49.8	104
4265	ANNETTA	LN	JOPLIN	J-0372-B2-CP	0.51	56.4	140
4265	ANNETTA	LN	JOPLIN	J-0372-B2-CD	0.55	57.7	156
4265	ANNETTA	LN	JOPLIN	J-0372-DZ-P	55	60	135
4265	ANNETTA	LN	JOPLIN	J-0372-F2-P	56	97.6	602
4265	ANNETTA	LN	JOPLIN	J-0372-F1-P	61	149	934
1095	ANTELOPE		JOPLIN	J-0104-B1-P	43	75.3	450
1095	ANTELOPE		JOPLIN	J-0104-B2-P	38	117	438
1095	ANTELOPE		JOPLIN	J-0104-F1-P	39	230	1080
1095	ANTELOPE		JOPLIN	J-0104-F2-P	47	493	415
1095	ANTELOPE		JOPLIN	J-0104-DZ-P	41	1090	670
3151	ANTELOPE	RD.	JOPLIN	E-6977-DZ-P	66	50.6	375
3151	ANTELOPE	RD.	JOPLIN	E-6977-F1-P	75	52	271
3151	ANTELOPE	RD.	JOPLIN	E-6977-F2-P	66	53	106
3151	ANTELOPE	RD.	JOPLIN	E-6977-B1-P	48	66	221
3151	ANTELOPE	RD.	JOPLIN	E-6977-B2-P	67	140	250
3415	ANTELOPE	RD	JOPLIN	J-4050-F1-P	NT	69	378
3415	ANTELOPE	RD	JOPLIN	J-4050-F2-P	NT	117	297
3415	ANTELOPE	RD	JOPLIN	J-4050-B2-P	NT	132	646
3415	ANTELOPE	RD	JOPLIN	J-4050-B1-P	NT	444	2460
3415	ANTELOPE	RD	JOPLIN	J-4050-DZ-P	NT	494	1970
3443	ANTELOPE	RD	JOPLIN	J-4078-F2-P	NT	64.2	159
3443	ANTELOPE	RD	JOPLIN	J-4078-B2-P	NT	92.1	356
3443	ANTELOPE	RD	JOPLIN	J-4078-B1-P	NT	142	629
3443	ANTELOPE	RD	JOPLIN	J-4078-F1-P	NT	430	1770
3443	ANTELOPE	RD	JOPLIN	J-4078-DZ-P	NT	650	3660
3547	ANTELOPE	RD.	JOPLIN	E-6991-DZ-P	110	68.5	137
3547	ANTELOPE	RD.	JOPLIN	E-6991-F1-P	202	75.1	125
3547	ANTELOPE	RD.	JOPLIN	E-6991-B1-P	218	124	212
1675	ANTHONY	LN.	JOPLIN	E-6802-F2-P	69	25	59
1675	ANTHONY	LN.	JOPLIN	E-6802-DZ-P	61	26	115
1675	ANTHONY	LN.	JOPLIN	E-6802-F1-P	71	28	82.6
1675	ANTHONY	LN.	JOPLIN	E-6802-B1-P	62	28.4	261
1675	ANTHONY	LN.	JOPLIN	E-6802-B2-P	78	32.8	97.6
1968	APRICOT	DR	JOPLIN	J-4045-DZ-P	NT	46.9	87.5
1968	APRICOT	DR	JOPLIN	J-4045-B2-P	NT	56	3330
1968	APRICOT	DR	JOPLIN	J-4045-B1-P	NT	57.4	468
1968	APRICOT	DR	JOPLIN	J-4045-F2-P	NT	76	703
1968	APRICOT	DR	JOPLIN	J-4045-F1-P	NT	92	595
1973	APRICOT	DR	JOPLIN	J-4047-F1-P	NT	58.9	507
1973	APRICOT	DR	JOPLIN	J-4047-B1-P	NT	64.8	443
1973	APRICOT	DR	JOPLIN	J-4047-B2-P	NT	81.4	354
1973	APRICOT	DR	JOPLIN	J-4047-F2-P	NT	87.8	481
1973	APRICOT	DR	JOPLIN	J-4047-DZ-P	NT	123	710
2264	APRICOT	DR	JOPLIN	J-4044-B2-P	NT	94.7	504
2264	APRICOT	DR	JOPLIN	J-4044-F1-P	NT	133	290
2264	APRICOT	DR	JOPLIN	J-4044-DZ-P	NT	159	1050
2264	APRICOT	DR	JOPLIN	J-4044-B1-P	NT	174	775
2264	APRICOT	DR	JOPLIN	J-4044-F2-P	NT	214	994
4093	APRICOT	DR	JOPLIN	J-0209-F1-P	29	10.3	23
4093	APRICOT	DR	JOPLIN	J-0209-F1-CP	ND	14	39.1
4093	APRICOT	DR	JOPLIN	J-0209-B2-P	37	15.15	44.3
4093	APRICOT	DR	JOPLIN	J-0209-F2-P	40	19.9	38
4093	APRICOT	DR	JOPLIN	J-0209-DZ-P	44	36.5	81.1
4093	APRICOT	DR	JOPLIN	J-0209-B1-P	45	37.3	68.2
1085	ASHWOOD	LN	JOPLIN	J-0106-B2-P	37	55.7	144
1085	ASHWOOD	LN	JOPLIN	J-0106-DZ-P	40	65.6	539

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
1085	ASHWOOD	LN	JOPLIN	J-0106-F1-P	32	77.5	480
1085	ASHWOOD	LN	JOPLIN	J-0106-F2-P	40	95.2	749
1085	ASHWOOD	LN	JOPLIN	J-0106-B1-P	48	97.8	171
11438	ASPEN	RD.	JOPLIN	E-6525-DZ-P	275	27	135
11438	ASPEN	RD.	JOPLIN	E-6525-B1-P	150	30.5	60
11438	ASPEN	RD.	JOPLIN	E-6525-F1-P	131	33.9	104
11438	ASPEN	RD.	JOPLIN	E-6525-B2-P	156	49.6	177
11438	ASPEN	RD.	JOPLIN	E-6525-F2-P	359	50.5	96.4
11700	ASPEN	RD	JOPLIN	J-0402-F2-P	71	30.5	95.1
11700	ASPEN	RD	JOPLIN	J-0402-B1-P	74	99.6	472
11700	ASPEN	RD	JOPLIN	J-0402-DZ-P	54	105	105
11700	ASPEN	RD	JOPLIN	J-0402-B2-P	66	292	211
17920	ASPEN	RD	DIAMOND	D-0761-B1-CP	ND	38.4	212
17920	ASPEN	RD	DIAMOND	D-0761-B1-P	39	39.9	152
17920	ASPEN	RD	DIAMOND	D-0761-B2-P	78.9	110	1900
17920	ASPEN	RD	DIAMOND	D-0761-DZ-P	78.9	150	7100
17922	ASPEN	RD.	DIAMOND	E-7328-B1-P	71	17	129
17922	ASPEN	RD.	DIAMOND	E-7328-DZ-P	48	21	780
17922	ASPEN	RD.	DIAMOND	E-7328-F1-P	24	32.5	95.3
17922	ASPEN	RD.	DIAMOND	E-7328-F2-P	41	33	85.7
17922	ASPEN	RD.	DIAMOND	E-7328-B2-P	53	78	187
18289	ASPEN	RD	DIAMOND	D-0735-B1-CP	ND	20.9	42.1
18289	ASPEN	RD	DIAMOND	D-0735-B1-P	76	25	58
18289	ASPEN	RD	DIAMOND	D-0735-DZ-P	58	25	61
18289	ASPEN	RD	DIAMOND	D-0735-F2-P	64	25	61
18289	ASPEN	RD	DIAMOND	D-0735-B2-P	75	27.7	56
18289	ASPEN	RD	DIAMOND	D-0735-F1-P	57	27.7	59
18347	ASPEN	RD	DIAMOND	D-0736-B2-P	56	26	60
18347	ASPEN	RD	DIAMOND	D-0736-F1-P	68	28	62
18347	ASPEN	RD	DIAMOND	D-0736-F2-P	77	28	61
18347	ASPEN	RD	DIAMOND	D-0736-B1-P	69	29	63
18347	ASPEN	RD	DIAMOND	D-0736-F2-CP	ND	31.8	27.2
18365	ASPEN	RD	DIAMOND	D-0737-B2-P	57	47.7	137
18365	ASPEN	RD	DIAMOND	D-0737-F2-P	82	58.2	172
18365	ASPEN	RD	DIAMOND	D-0737-B1-P	75	69.4	202
18365	ASPEN	RD	DIAMOND	D-0737-F1-P	99	80	290
18365	ASPEN	RD	DIAMOND	D-0737-DZ-P	68	138	381
18421	ASPEN	RD	DIAMOND	D-0738-B1-C1	9.3	296	1190
18421	ASPEN	RD	DIAMOND	D-0738-B1-P	40	309	994
18421	ASPEN	RD	DIAMOND	D-0738-B1-C2	8.1	310	1130
18421	ASPEN	RD	DIAMOND	D-0738-B2-P	50	680	3510
18421	ASPEN	RD	DIAMOND	D-0738-B2-C1	32.3	989	4580
18421	ASPEN	RD	DIAMOND	D-0738-B2-C2	26.2	1090	4840
18421	ASPEN	RD	DIAMOND	D-0738-DZ-P	82.4	1170	4040
18421	ASPEN	RD	DIAMOND	D-0738-F2-P	50	1210	6590
18421	ASPEN	RD	DIAMOND	D-0738-F1-P	79.7	1310	4740
18421	ASPEN	RD	DIAMOND	D-0738-DZ-C1	49.2	1480	6340
18421	ASPEN	RD	DIAMOND	D-0738-F1-C2	54.5	1850	6770
18421	ASPEN	RD	DIAMOND	D-0738-F1-C1	65.6	1660	6180
18421	ASPEN	RD	DIAMOND	D-0738-F2-C1	64.6	1770	8080
18421	ASPEN	RD	DIAMOND	D-0738-DZ-C2	51.8	1780	6650
18421	ASPEN	RD	DIAMOND	D-0738-F2-C2	85.1	1890	8410
19177	ASPEN	RD	DIAMOND	D-1106-F2-P	NT	54	299
19177	ASPEN	RD	DIAMOND	D-1106-B2-P	NT	77.4	438
19177	ASPEN	RD	DIAMOND	D-1106-F1-P	NT	83.1	384
19177	ASPEN	RD	DIAMOND	D-1106-DZ-P	NT	145	1070
19177	ASPEN	RD	DIAMOND	D-1106-B1-P	NT	190	610
21625	ASPEN	RD.	SARCOXIE	W-4138-B1-P	60	19	109

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
21625	ASPEN	RD.	SARCOXIE	W-4138-F1-P	80	23.1	50
21625	ASPEN	RD.	SARCOXIE	W-4138-B2-P	88	51.7	475
21625	ASPEN	RD.	SARCOXIE	W-4138-F2-P	79	99.8	990
21625	ASPEN	RD.	SARCOXIE	W-4138-DZ-P	66	112	798
21731	ASPEN	RD	SARCOXIE	D-4014-F2-P	75	33.1	156
21731	ASPEN	RD	SARCOXIE	D-4014-DZ-P	53	34.6	244
21731	ASPEN	RD	SARCOXIE	D-4014-B2-P	74	40.7	80
21731	ASPEN	RD	SARCOXIE	D-4014-B1-P	60	49.4	617
21731	ASPEN	RD	SARCOXIE	D-4014-F1-P	64	60.8	423
10498	ASTER	DR	JOPLIN	E-5370-DZ-P	60	758	854
10498	ASTER	DR	JOPLIN	E-5370-F1-P	64	1200	4280
10498	ASTER	DR	JOPLIN	E-5370-B1-P	61	1460	1080
10498	ASTER	DR	JOPLIN	E-5370-B2-P	84	2260	2500
10498	ASTER	DR	JOPLIN	E-5370-F2-P	63	9000	2300
10626	ASTER	DR	JOPLIN	E-5358-F1-P	73	137	317
10626	ASTER	DR	JOPLIN	E-5358-B2-P	54	150	438
10626	ASTER	DR	JOPLIN	E-5358-DZ-P	63	217	1840
10626	ASTER	DR	JOPLIN	E-5358-B1-P	72	412	2270
10626	ASTER	DR	JOPLIN	E-5358-F2-P	51	596	2460
13567	AVALON	LANE	SENECA	E-7332-DZ-P	NT	49	125
13567	AVALON	LANE	SENECA	E-7332-F1-P	NT	52	290
13567	AVALON	LANE	SENECA	E-7332-B1-P	NT	56	77
13567	AVALON	LANE	SENECA	E-7332-B2-P	NT	57	84.7
13567	AVALON	LANE	SENECA	E-7332-F2-P	NT	127	3050
10744	BARRY	RD.	PIERCE CITY	E-4126-B2-P	NT	53	140
10744	BARRY	RD.	PIERCE CITY	K-4126-B2-P	NT	53	140
10744	BARRY	RD.	PIERCE CITY	E-4126-DZ-P	NT	57	210
10744	BARRY	RD.	PIERCE CITY	E-4126-F2-P	NT	57	269
10744	BARRY	RD.	PIERCE CITY	K-4126-DZ-P	NT	57	
10744	BARRY	RD.	PIERCE CITY	K-4126-F2-P	NT	57	269
10744	BARRY	RD.	PIERCE CITY	E-4126-F1-P	NT	71.7	194
10744	BARRY	RD.	PIERCE CITY	K-4126-F1-P	NT	71.7	194
10744	BARRY	RD.	PIERCE CITY	E-4126-B1-P	NT	ND	796
10744	BARRY	RD.	PIERCE CITY	K-4126-B1-P	NT	ND	796
3112	BAY	DR	JOPLIN	J-0257-F2-P	41	18	65.1
3112	BAY	DR	JOPLIN	J-0257-B2-P	36	22.6	46.8
3112	BAY	DR	JOPLIN	J-0257-F1-P	43	22.7	40
3112	BAY	DR	JOPLIN	J-0257-F2-CP	ND	25.6	62.1
3112	BAY	DR	JOPLIN	J-0257-DZ-P	42	26	38
3112	BAY	DR	JOPLIN	J-0257-B1-P	42	35.3	38
3145	BAY	DR	JOPLIN	J-0258-B1-P	38	23.2	53.5
3145	BAY	DR	JOPLIN	J-0258-DZ-P	45	24	37.8
3145	BAY	DR	JOPLIN	J-0258-B2-P	36	26.4	43.7
3145	BAY	DR	JOPLIN	J-0258-F1-P	31	27.6	55.3
3145	BAY	DR	JOPLIN	J-0258-F2-P	39	41.1	58.5
3182	BAY	DR	JOPLIN	J-0259-F2-P	37	27.8	140
3182	BAY	DR	JOPLIN	J-0259-DZ-P	33	34.9	141
3182	BAY	DR	JOPLIN	J-0259-B1-P	37	36.5	202
3182	BAY	DR	JOPLIN	J-0259-B2-P	39	42.8	176
3182	BAY	DR	JOPLIN	J-0259-F1-P	22	47.8	220
3386	BAY	DR	JOPLIN	J-0260-F2-P	33	24.5	50.5
3386	BAY	DR	JOPLIN	J-0260-B1-P	38	28.1	45.1
3386	BAY	DR	JOPLIN	J-0260-B2-P	35	35	48.1
3386	BAY	DR	JOPLIN	J-0260-F1-P	23	66.3	71
3415	BAY	DR	JOPLIN	J-0396-B1-P	53	23	51
3415	BAY	DR	JOPLIN	J-0396-B2-P	65	28.1	57.8
3415	BAY	DR	JOPLIN	J-0396-F2-P	78	29.9	58
3415	BAY	DR	JOPLIN	J-0396-F1-P	54	31.9	54

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3415	BAY	DR	JOPLIN	J-0396-DZ-P	65	48.7	61
1031	BEDFORD	PL	JOPLIN	E-6508-F2-P	NT	51	159
1031	BEDFORD	PL	JOPLIN	E-6508-DZ-P	NT	54	270
1031	BEDFORD	PL	JOPLIN	E-6508-F1-P	NT	107	275
1426	BEDFORD	PL	JOPLIN	E-6523-F2-P	NT	39	120
1426	BEDFORD	PL	JOPLIN	E-6523-F1-P	NT	48	133
1426	BEDFORD	PL	JOPLIN	E-6523-DZ-P	NT	49	116
1426	BEDFORD	PL	JOPLIN	E-6523-B1-P	NT	52	173
1426	BEDFORD	PL	JOPLIN	E-6523-B2-P	NT	55.4	67
11931	BEECH		JOPLIN	J-0395-B1-P	49	28.7	115
11931	BEECH		JOPLIN	J-0395-DZ-P	60	36	64
11931	BEECH		JOPLIN	J-0395-B2-P	59	39.2	56
11931	BEECH		JOPLIN	J-0395-F1-P	56	42.2	219
11931	BEECH		JOPLIN	J-0395-F2-P	80	107	238
6189	BEEF BRANCH	RD	JOPLIN	J-0391-F1-P	56	70.4	361
6189	BEEF BRANCH	RD	JOPLIN	J-0391-B2-P	44	124	661
6189	BEEF BRANCH	RD	JOPLIN	J-0391-B1-P	65	136	523
6189	BEEF BRANCH	RD	JOPLIN	J-0391-F2-P	57	322	2350
6189	BEEF BRANCH	RD	JOPLIN	J-0391-DZ-P	66	478	1390
6189	BEEF BRANCH	RD	JOPLIN	J-0391-F2-CP	27	490	4770
7036	BEEF BRANCH	RD	JOPLIN	J-4032-F2-P	NT	50.6	282
7036	BEEF BRANCH	RD	JOPLIN	J-4032-F1-P	NT	163	499
7036	BEEF BRANCH	RD	JOPLIN	J-4032-B1-P	NT	383	1750
7036	BEEF BRANCH	RD	JOPLIN	J-4032-DZ-P	NT	386	1640
7036	BEEF BRANCH	RD	JOPLIN	J-4032-B2-P	NT	522	2480
6156	BEEFBRANCH	RD.	JOPLIN	E-6759-B1-P	150	16.3	51.2
6156	BEEFBRANCH	RD.	JOPLIN	E-6759-F2-P	231	43.6	160
6156	BEEFBRANCH	RD.	JOPLIN	E-6759-PG-P	130	1020	3750
6156	BEEFBRANCH	RD.	JOPLIN	E-6759-F1-P	110	1270	5730
6156	BEEFBRANCH	RD.	JOPLIN	E-6759-B2-P	180	3500	145
3172	BENTLEY	LN	JOPLIN	J-4070-DZ-P	NT	57	131
3172	BENTLEY	LN	JOPLIN	J-4070-B2-P	NT	58	302
3172	BENTLEY	LN	JOPLIN	J-4070-F1-P	NT	58	157
3172	BENTLEY	LN	JOPLIN	J-4070-F2-P	NT	102	404
3172	BENTLEY	LN	JOPLIN	J-4070-B1-P	NT	169	530
2360	BETSY	LN	JOPLIN	J-0138-F1-P	35	54.5	656
2360	BETSY	LN	JOPLIN	J-0138-F2-P	37	72.9	366
2360	BETSY	LN	JOPLIN	J-0138-DZ-P	34	82.9	389
2360	BETSY	LN	JOPLIN	J-0138-B2-P	40	89	602
2360	BETSY	LN	JOPLIN	J-0138-B1-P	29	161	1030
11216	BIRCH	RD	JOPLIN	J-0355-B2-P	39	21.7	38
11216	BIRCH	RD	JOPLIN	J-0355-DZ-P	34	24	46
11216	BIRCH	RD	JOPLIN	J-0355-F2-P	37	35.1	42.8
11216	BIRCH	RD	JOPLIN	J-0355-B1-P	45	80	484
11216	BIRCH	RD	JOPLIN	J-0355-F1-P	49	86.1	381
11598	BIRCH	RD	JOPLIN	J-0261-DZ-P	33	25.3	53.3
11598	BIRCH	RD	JOPLIN	J-0261-B1-P	42	28.9	41
11598	BIRCH	RD	JOPLIN	J-0261-B2-P	42	28.9	41
11598	BIRCH	RD	JOPLIN	J-0261-F2-P	33	43.8	94.1
11598	BIRCH	RD	JOPLIN	J-0261-F1-P	40	45.7	97.5
12005	BIRCH	DR.	JOPLIN	J-4080-B1-P	NT	56.9	77
12005	BIRCH	DR.	JOPLIN	J-4080-F1-P	NT	57	75
12047	BIRCH		JOPLIN	J-4117-F2-P	NT	54	211
12047	BIRCH		JOPLIN	J-4117-DZ-P	NT	58.5	255
12047	BIRCH		JOPLIN	J-4117-F1-P	NT	60	506
12047	BIRCH		JOPLIN	J-4117-B1-P	NT	61	189
12047	BIRCH		JOPLIN	J-4117-B2-P	NT	71.4	472
2529	BIRCH	DR.	JOPLIN	E-7002-B2-P	58	25	60

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
2529	BIRCH	DR.	JOPLIN	E-7002-DZ-P	52	25	222
2529	BIRCH	DR.	JOPLIN	E-7002-PG-P	51	25	58
2529	BIRCH	DR.	JOPLIN	E-7002-B1-P	69	37.3	57
2529	BIRCH	DR.	JOPLIN	E-7002-F1-P	60	39.7	59
2529	BIRCH	DR.	JOPLIN	E-7002-F2-P	64	61.8	103
2272	BONNIE	LN	JOPLIN	J-4075-DZ-P	NT	56	225
2272	BONNIE	LN	JOPLIN	J-4075-B1-P	NT	59	185
2272	BONNIE	LN	JOPLIN	J-4075-F2-P	NT	103	249
2272	BONNIE	LN	JOPLIN	J-4075-F1-P	NT	114	803
2272	BONNIE	LN	JOPLIN	J-4075-B2-P	NT	118	543
3239	BOYSENBERRY		JOPLIN	E-6980-F2-P	NT	51	135
3239	BOYSENBERRY		JOPLIN	E-6980-B1-P	NT	55	147
3239	BOYSENBERRY		JOPLIN	E-6980-F1-P	NT	57.6	175
3239	BOYSENBERRY		JOPLIN	E-6980-B2-P	NT	67.5	93.6
3239	BOYSENBERRY		JOPLIN	E-6980-DZ-P	NT	87.5	422
3264	BOYSENBERRY	DR.	JOPLIN	E-6982-DZ-P	100	101	560
3264	BOYSENBERRY	DR.	JOPLIN	E-6982-B2-P	79	113	940
3264	BOYSENBERRY	DR.	JOPLIN	E-6982-B1-P	65	130	884
3264	BOYSENBERRY	DR.	JOPLIN	E-6982-F1-P	62	201	225
3264	BOYSENBERRY	DR.	JOPLIN	E-6982-F2-P	90	201	1690
3330	BOYSENBERRY	DR.	JOPLIN	E-6984-F2-P	83	78.3	773
3330	BOYSENBERRY	DR.	JOPLIN	E-6984-F1-P	57	100	474
3330	BOYSENBERRY	DR.	JOPLIN	E-6984-DZ-P	80	131	466
3330	BOYSENBERRY	DR.	JOPLIN	E-6984-B1-P	73	178	509
3330	BOYSENBERRY	DR.	JOPLIN	E-6984-B2-P	67	243	1070
3394	BOYSENBERRY	DR.	JOPLIN	E-6989-F1-P	NT	50	250
3394	BOYSENBERRY	DR.	JOPLIN	E-6989-F2-P	NT	51	86.2
3394	BOYSENBERRY	DR.	JOPLIN	E-6989-B2-P	NT	55	74
3394	BOYSENBERRY	DR.	JOPLIN	E-6989-DZ-P	NT	57	277
3394	BOYSENBERRY	DR.	JOPLIN	E-6989-B1-P	NT	57.7	150
2309	BRENDA	LN	JOPLIN	J-4066-DZ-P	64	24.4	74.8
2309	BRENDA	LN	JOPLIN	J-4066-F1-P	82	31	71.7
2309	BRENDA	LN	JOPLIN	J-4066-B2-P	68	39.6	95.1
2309	BRENDA	LN	JOPLIN	J-4066-F2-P	40	41.3	79.1
2309	BRENDA	LN	JOPLIN	J-4066-B1-P	77	55.5	110
2357	BRENDA	LN.	JOPLIN	D-4102-F1-P	NT	55	260
2357	BRENDA	LN.	JOPLIN	D-4102-F2-P	NT	61.1	145
2357	BRENDA	LN.	JOPLIN	D-4102-DZ-P	NT	71	602
2357	BRENDA	LN.	JOPLIN	D-4102-B2-P	NT	80.8	158
2357	BRENDA	LN.	JOPLIN	D-4102-B1-P	NT	113	813
2365	BRENDA	LN	JOPLIN	J-4069-F2-P	52	31.3	85.7
2365	BRENDA	LN	JOPLIN	J-4069-F1-P	85	36.1	181
2365	BRENDA	LN	JOPLIN	J-4069-B1-P	77	54.4	244
2365	BRENDA	LN	JOPLIN	J-4069-B2-P	68	57.1	298
2365	BRENDA	LN	JOPLIN	J-4069-DZ-P	80	614	5680
2378	BRENDA	LN	JOPLIN	J-4077-B2-P	NT	54.4	122
2378	BRENDA	LN	JOPLIN	J-4077-F1-P	NT	55.2	192
2378	BRENDA	LN	JOPLIN	J-4077-DZ-P	NT	56	127
2378	BRENDA	LN	JOPLIN	J-4077-B1-P	NT	57	211
2378	BRENDA	LN	JOPLIN	J-4077-F2-P	NT	64	142
4501	BYERS		JOPLIN	J-0489-F1-P	57	162	348
4501	BYERS		JOPLIN	J-0489-B2-P	63	166	1080
4501	BYERS		JOPLIN	J-0489-F2-P	63	200	351
4501	BYERS		JOPLIN	J-0489-B1-P	55	214	454
4501	BYERS		JOPLIN	J-0489-DZ-P	58	261	1500
4505	BYERS		JOPLIN	J-0490-F2-P	60	184	452
4505	BYERS		JOPLIN	J-0490-B2-P	62	235	993
4505	BYERS		JOPLIN	J-0490-B1-P	67	238	608

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4505	BYERS		JOPLIN	J-0490-DZ-P	67	410	1970
4505	BYERS		JOPLIN	J-0490-F1-P	60	584	442
4505	BYERS		JOPLIN	J-0490-F1-CP	3.3	658	509
2610	CANARY	DR	JOPLIN	J-0144-F2-P	56	131	331
2610	CANARY	DR	JOPLIN	J-0144-B2-P	69	138	1190
2610	CANARY	DR	JOPLIN	J-0144-B1-P	67	263	459
2610	CANARY	DR	JOPLIN	J-0144-F1-P	59	267	440
2610	CANARY	DR	JOPLIN	J-0144-F1-CP	3.7	386	684
2610	CANARY	DR	JOPLIN	J-0144-DZ-P	54	1780	1890
8747	CANVER	RD	NEOSHO	E-5828-B1-P	51	90.6	52
8747	CANVER	RD	NEOSHO	E-5828-B2-P	63	92	82.2
8747	CANVER	RD	NEOSHO	E-5828-F2-P	62	134	85.9
8747	CANVER	RD	NEOSHO	E-5828-DZ-P	61	140	580
8747	CANVER	RD	NEOSHO	E-5828-F1-P	57	208	382
430	CASTLE	DR	JOPLIN	J-0491-F1-P	58	73.7	542
430	CASTLE	DR	JOPLIN	J-0491-F2-P	67	108	1020
430	CASTLE	DR	JOPLIN	J-0491-B2-P	47	171	1020
430	CASTLE	DR	JOPLIN	J-0491-DZ-P	58	263	3130
430	CASTLE	DR	JOPLIN	J-0491-B1-P	64	442	2430
8916	CEDAR	DR.	JOPLIN	E-6762-F2-P	NT	57	323
8916	CEDAR	DR.	JOPLIN	E-6762-F1-P	NT	67.2	434
8916	CEDAR	DR.	JOPLIN	E-6762-B1-P	NT	68.5	261
8916	CEDAR	DR.	JOPLIN	E-6762-DZ-P	NT	70.7	373
8916	CEDAR	DR.	JOPLIN	E-6762-B2-P	NT	80.6	326
8936	CEDAR	DR.	JOPLIN	E-6763-B1-P	NT	51	244
8936	CEDAR	DR.	JOPLIN	E-6763-F2-P	NT	84.2	477
8936	CEDAR	DR.	JOPLIN	E-6763-DZ-P	NT	94.6	475
8936	CEDAR	DR.	JOPLIN	E-6763-B2-P	NT	208	1550
8936	CEDAR	DR.	JOPLIN	E-6763-F1-P	NT	ND	185
401	CENTENNIAL	ST	SENECA	S-1050-B2-P	76	27	60
401	CENTENNIAL	ST	SENECA	S-1050-F1-P	71	27	61
401	CENTENNIAL	ST	SENECA	S-1050-DZ-P	61	27.1	74
401	CENTENNIAL	ST	SENECA	S-1050-F2-P	65	37.7	63
401	CENTENNIAL	ST	SENECA	S-1050-B1-P	68	56.9	62
402	CENTENNIAL	ST	SENECA	S-1057-B2-P	56	24	53
402	CENTENNIAL	ST	SENECA	S-1057-F2-P	74	25	58
402	CENTENNIAL	ST	SENECA	S-1057-F1-P	67	26	62
402	CENTENNIAL	ST	SENECA	S-1057-DZ-P	53	44.9	212
402	CENTENNIAL	ST	SENECA	S-1057-B1-P	74	89.4	275
403	CENTENNIAL	ST	SENECA	S-1038-B2-P	44	23	55
403	CENTENNIAL	ST	SENECA	S-1038-F2-P	51	24.6	108
403	CENTENNIAL	ST	SENECA	S-1038-DZ-P	59	27.9	60.4
403	CENTENNIAL	ST	SENECA	S-1038-F1-P	60	32.3	109
403	CENTENNIAL	ST	SENECA	S-1038-B1-P	81	43.2	54
404	CENTENNIAL	ST	SENECA	S-1043-B2-P	63	25.1	60.6
404	CENTENNIAL	ST	SENECA	S-1043-DZ-P	73	25.2	50
404	CENTENNIAL	ST	SENECA	S-1043-F1-P	57	26	51
404	CENTENNIAL	ST	SENECA	S-1043-B1-P	59	27	58
404	CENTENNIAL	ST	SENECA	S-1043-F2-P	62	34.2	275
503	CENTENNIAL	ST	SENECA	S-1003-F2-CP	ND	23.2	87.5
503	CENTENNIAL	ST	SENECA	S-1003-F1-P	61	25	61
503	CENTENNIAL	ST	SENECA	S-1003-F2-P	55	25	69.3
503	CENTENNIAL	ST	SENECA	S-1003-DZ-P	58	26	54
503	CENTENNIAL	ST	SENECA	S-1003-B1-P	69	28	63
503	CENTENNIAL	ST	SENECA	S-1003-B2-P	84	29.8	69.5
505	CENTENNIAL	ST	SENECA	S-1004-F1-P	58	24	73.7
505	CENTENNIAL	ST	SENECA	S-1004-B2-P	61	25	61
505	CENTENNIAL	ST	SENECA	S-1004-B1-P	70	26	69.7

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
505	CENTENNIAL	ST	SENECA	S-1004-DZ-P	68	27	148
505	CENTENNIAL	ST	SENECA	S-1004-F2-P	69	27	128
507	CENTENNIAL	ST	SENECA	S-1005-B2-P	55	26	180
507	CENTENNIAL	ST	SENECA	S-1005-B1-P	67	27	180
507	CENTENNIAL	ST	SENECA	S-1005-F1-P	58	36.7	214
507	CENTENNIAL	ST	SENECA	S-1005-F2-P	66	37.3	89
507	CENTENNIAL	ST	SENECA	S-1005-DZ-P	72	42.3	170
7062	CHAD	LN	JOPLIN	J-0274-F2-P	48	124	442
7062	CHAD	LN	JOPLIN	J-0274-B1-P	44	177	775
7062	CHAD	LN	JOPLIN	J-0274-DZ-P	56	346	1080
7062	CHAD	LN	JOPLIN	J-0274-F1-P	60	363	1700
7067	CHAD	LN	JOPLIN	J-0275-F1-P	42	87	546
7067	CHAD	LN	JOPLIN	J-0275-B2-P	47	123	895
7067	CHAD	LN	JOPLIN	J-0275-F2-P	50	129	780
7067	CHAD	LN	JOPLIN	J-0275-B1-P	54	381	2710
1303	CHEROKEE	AVE	SENECA	S-1044-SS-P	69	31.3	99
1303	CHEROKEE	AVE	SENECA	S-1044-MR-P	63	45.4	81.7
1303	CHEROKEE	AVE	SENECA	S-1044-JG-P	58	87.7	117
1900	CHEROKEE		SENECA	S-1006-B1-P	61	28.2	68.9
1900	CHEROKEE		SENECA	S-1006-B2-P		58.4	187
1900	CHEROKEE		SENECA	S-1006-DZ-P	47	71.5	399
1900	CHEROKEE		SENECA	S-1006-F2-P	56	76.7	112
1900	CHEROKEE		SENECA	S-1006-F1-P	75	83.3	259
1900	CHEROKEE		SENECA	S-1006-B2 -P	56	280	
1904	CHEROKEE		SENECA	S-1007-DZ-P	75	90.5	324
1904	CHEROKEE		SENECA	S-1007-F1-P	75	122	436
1904	CHEROKEE		SENECA	S-1007-B2-P	70	168	214
1904	CHEROKEE		SENECA	S-1007-F2-P	90	168	304
1904	CHEROKEE		SENECA	S-1007-B1-P	44	280	914
1904	CHEROKEE		SENECA	S-1007-B1-CP	6.7	371	1410
1914	CHEROKEE		SENECA	S-1008-B1-P	56	67.1	190
1914	CHEROKEE		SENECA	S-1008-F2-P	66	72.1	100
1914	CHEROKEE		SENECA	S-1008-B2-P	62	85.8	76.2
1914	CHEROKEE		SENECA	S-1008-F1-P	70	121	478
1914	CHEROKEE		SENECA	S-1008-DZ-P	72	731	72.7
3205	CHERRY	RD.	JOPLIN	E-6979-F1-P	197	36.9	287
3205	CHERRY	RD.	JOPLIN	E-6979-B1-P	250	38.3	144
3205	CHERRY	RD.	JOPLIN	E-6979-DZ-P	164	41.9	184
3305	CHERRY	RD.	JOPLIN	E-6983-F2-P	68	86	461
3305	CHERRY	RD.	JOPLIN	E-6983-B2-P	58	108	374
3305	CHERRY	RD.	JOPLIN	E-6983-B1-P	52	141	399
3305	CHERRY	RD.	JOPLIN	E-6983-F1-P	63	147	425
3305	CHERRY	RD.	JOPLIN	E-6983-DZ-P	61	586	756
3331	CHERRY	RD.	JOPLIN	E-6985-F2-P	59	58.9	362
3331	CHERRY	RD.	JOPLIN	E-6985-F1-P	52	62.9	260
3331	CHERRY	RD.	JOPLIN	E-6985-B1-P	88	64.9	320
3331	CHERRY	RD.	JOPLIN	E-6985-DZ-P	71	84.9	322
3331	CHERRY	RD.	JOPLIN	E-6985-B2-P	65	260	1510
4070	CHERRY	RD.	JOPLIN	J-4143-B1-P	44	51.4	235
4070	CHERRY	RD.	JOPLIN	J-4143-F1-P	65	120	809
4070	CHERRY	RD.	JOPLIN	J-4143-DZ-P	44	424	1060
4292	CHERRY	RD.	JOPLIN	J-4144-B1-P	50	45.2	165
4292	CHERRY	RD.	JOPLIN	J-4144-DZ-P	56	59.1	377
4292	CHERRY	RD.	JOPLIN	J-4144-F1-P	48	61	653
4292	CHERRY	RD.	JOPLIN	J-4144-B2-P	70	71.4	225
4292	CHERRY	RD.	JOPLIN	J-4144-F2-P	72	87.4	538
3326	CHIPMONK	DR	JOPLIN	J-4046-F1-P	NT	40.3	193
3326	CHIPMONK	DR	JOPLIN	J-4046-DZ-P	84	46.4	229

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3326	CHIPMONK	DR	JOPLIN	J-4046-F2-P	64	52.9	3656
3326	CHIPMONK	DR	JOPLIN	J-4046-B1-P	50	60.2	1540
3326	CHIPMONK	DR	JOPLIN	J-4046-B2-P	64	63.9	1090
3201	CHIPMUNK	DR	JOPLIN	J-0212-F1-P	38	33.6	111
3201	CHIPMUNK	DR	JOPLIN	J-0212-B1-P	38	41.1	109
3201	CHIPMUNK	DR	JOPLIN	J-0212-DZ-P	42	49	47.4
3201	CHIPMUNK	DR	JOPLIN	J-0212-F2-P	36	56.1	745
3201	CHIPMUNK	DR	JOPLIN	J-0212-B2-P	46	187	447
3201	CHIPMUNK	DR	JOPLIN	J-0212-B2-CP	4.5	210	853
3267	CHIPMUNK	DR.	JOPLIN	J-4150-B1-P	NT	41	143
3267	CHIPMUNK	DR.	JOPLIN	J-4150-B2-P	NT	52.4	227
3267	CHIPMUNK	DR.	JOPLIN	J-4150-DZ-P	NT	62.5	810
3267	CHIPMUNK	DR.	JOPLIN	J-4150-F2-P	NT	64.7	402
3267	CHIPMUNK	DR.	JOPLIN	J-4150-F1-P	NT	93.5	330
4502	CIRCLE	DR	JOPLIN	J-0394-F2-P	71	81.1	543
4502	CIRCLE	DR	JOPLIN	J-0394-B1-P	66	103	494
4502	CIRCLE	DR	JOPLIN	J-0394-B2-P	66	113	815
4502	CIRCLE	DR	JOPLIN	J-0394-F1-P	81	148	106
4502	CIRCLE	DR	JOPLIN	J-0394-DZ-P	53	801	2140
4503	CIRCLE	DR	JOPLIN	J-0492-F1-P	78	44.3	212
4503	CIRCLE	DR	JOPLIN	J-0492-DZ-P	70	63.9	449
4503	CIRCLE	DR	JOPLIN	J-0492-B2-P	57	87	588
4503	CIRCLE	DR	JOPLIN	J-0492-B1-P	69	92	758
4503	CIRCLE	DR	JOPLIN	J-0492-F2-P	57	130	199
4506	CIRCLE	DR	JOPLIN	J-0493-F2-P	58	72.6	404
4506	CIRCLE	DR	JOPLIN	J-0493-DZ-P	57	86.6	508
4506	CIRCLE	DR	JOPLIN	J-0493-F1-P	56	91	269
4506	CIRCLE	DR	JOPLIN	J-0493-B2-P	61	119	333
4506	CIRCLE	DR	JOPLIN	J-0493-B1-P	55	206	611
3409	CONNECTICUT	AVE	JOPLIN	J-0359-B1-P	40	77.4	323
3409	CONNECTICUT	AVE	JOPLIN	J-0359-B2-P	40	93.1	426
3409	CONNECTICUT	AVE	JOPLIN	J-0359-F2-P	47	97	450
3409	CONNECTICUT	AVE	JOPLIN	J-0359-DZ-P	46	113	454
3409	CONNECTICUT	AVE	JOPLIN	J-0359-F1-P	26	141	1990
4400	COURTNEY	LN	JOPLIN	J-0168-B1-P	35	53.4	309
4400	COURTNEY	LN	JOPLIN	J-0168-DZ-P	34	67.2	289
4400	COURTNEY	LN	JOPLIN	J-0168-B2-P	40	69.4	301
4400	COURTNEY	LN	JOPLIN	J-0168-F2-P	26	75.7	397
4400	COURTNEY	LN	JOPLIN	J-0168-F2-CP	4.2	89.8	577
4400	COURTNEY	LN	JOPLIN	J-0168-F1-P	34	110	508
4600	COURTNEY	DR	JOPLIN	J-0156-B1-P	33	55	187
4600	COURTNEY	DR	JOPLIN	J-0156-B2-P	22	55	304
4600	COURTNEY	DR	JOPLIN	J-0156-F1-P	35	68.5	345
4600	COURTNEY	DR	JOPLIN	J-0156-DZ-P	42	109	498
4600	COURTNEY	DR	JOPLIN	J-0156-F2-P	41	215	1450
4600	COURTNEY	DR	JOPLIN	J-0156-F2-CP	16.5	282	2050
4800	COURTNEY	DR	JOPLIN	J-0157-B1-P	28	61.4	276
4800	COURTNEY	DR	JOPLIN	J-0157-DZ-P	36	98.6	397
4800	COURTNEY	DR	JOPLIN	J-0157-F1-P	35	134	848
4800	COURTNEY	DR	JOPLIN	J-0157-F2-P	39	140	984
4800	COURTNEY	DR	JOPLIN	J-0157-B2-P	33	188	854
4800	COURTNEY	DR	JOPLIN	J-0157-F1-CP	9	198	1190
5000	COURTNEY	LN	JOPLIN	J-0158-B2-P	38	69.9	260
5000	COURTNEY	LN	JOPLIN	J-0158-B1-P	NT	109	553
5000	COURTNEY	LN	JOPLIN	J-0158-F2-P	44	174	1380
5000	COURTNEY	LN	JOPLIN	J-0158-F1-P	38	182	1530
5000	COURTNEY	LN	JOPLIN	J-0158-DZ-P	46	197	1260
5200	COURTNEY		JOPLIN	J-0159-DZ-P	49	42.7	207

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5200	COURTNEY		JOPLIN	J-0159-B1-P	44	82.5	268
5200	COURTNEY		JOPLIN	J-0159-B2-P	64	92.2	322
5200	COURTNEY		JOPLIN	J-0159-F1-P	54	98.3	392
5200	COURTNEY		JOPLIN	J-0159-F2-P	57	100	389
5300	COURTNEY	LN	JOPLIN	J-0373-B1-P	42	66.5	538
5300	COURTNEY	LN	JOPLIN	J-0373-F2-P	38	93.2	1150
5300	COURTNEY	LN	JOPLIN	J-0373-B2-P	44	131	776
5300	COURTNEY	LN	JOPLIN	J-0373-F1-P	46	131	1230
5300	COURTNEY	LN	JOPLIN	J-0373-DZ-P	46	181	1670
2040	COYOTE	DR	JOPLIN	J-0145-FY-P	50	71	384
2040	COYOTE	DR	JOPLIN	J-0145-BY-P	74	132	963
2040	COYOTE	DR	JOPLIN	J-0145-DZ-P	64	180	688
2223	COYOTE	DR	JOPLIN	J-0149-DZ-P	68	56.2	451
2223	COYOTE	DR	JOPLIN	J-0149-B2-P	87	69.8	107
2223	COYOTE	DR	JOPLIN	J-0149-B1-P	53	96.2	153
2223	COYOTE	DR	JOPLIN	J-0149-F2-P	40	100	429
2223	COYOTE	DR	JOPLIN	J-0149-F1-P	66	110	670
2233	COYOTE	DR	JOPLIN	J-0150-DZ-P	76	50.7	1560
2233	COYOTE	DR	JOPLIN	J-0150-F2-P	69	59.4	334
2233	COYOTE	DR	JOPLIN	J-0150-F1-P	78	74	205
2233	COYOTE	DR	JOPLIN	J-0150-B1-P	64	75.5	256
2233	COYOTE	DR	JOPLIN	J-0150-B2-P	57	78.1	219
2480	COYOTE	DR	JOPLIN	J-0153-F2-P	77	30.6	199
2480	COYOTE	DR	JOPLIN	J-0153-F1-P	71	35	124
2480	COYOTE	DR	JOPLIN	J-0153-B2-P	60	45.6	206
2480	COYOTE	DR	JOPLIN	J-0153-B1-P	70	53.9	248
2480	COYOTE	DR	JOPLIN	J-0153-DZ-P	63	70.9	297
2480	COYOTE	DR	JOPLIN	J-0154-A1-P	70	81.9	520
2480	COYOTE	DR	JOPLIN	J-0154-A2-P	63	83.4	541
2480	COYOTE	DR	JOPLIN	J-0154-A3-P	67	99.8	828
2480	COYOTE	DR	JOPLIN	J-0154-A4-P	57	119	759
2480	COYOTE	DR	JOPLIN	J-0154-A5-P	42	305	2130
2487	COYOTE	DR	JOPLIN	J-0152-DZ-P	73	57.6	235
2487	COYOTE	DR	JOPLIN	J-0152-BY-P	84	61.2	202
2901	COYOTE	DR	JOPLIN	J-0401-FY-P	54	25	96.6
2901	COYOTE	DR	JOPLIN	J-0401-B2-P	46	57.9	78.9
2901	COYOTE	DR	JOPLIN	J-0401-B1-P	51	60.9	94.5
3062	COYOTE	DR	JOPLIN	J-0397-F2-P	29	31	134
3062	COYOTE	DR	JOPLIN	J-0397-F1-P	36	34.7	37.5
3064	COYOTE	DR	JOPLIN	J-0398-B1-P	40	15	87.6
3064	COYOTE	DR	JOPLIN	J-0398-B2-P	41	30.3	117
3064	COYOTE	DR	JOPLIN	J-0398-DZ-P	43	42.3	117
3064	COYOTE	DR	JOPLIN	J-0398-F1-P	38	46	150
3064	COYOTE	DR	JOPLIN	J-0398-F2-P	39	90.3	315
3065	COYOTE	DR	JOPLIN	J-0406-F2-P	62	38.3	95.7
3065	COYOTE	DR	JOPLIN	J-0406-B1-P	67	38.8	109
3065	COYOTE	DR	JOPLIN	J-0406-DZ-P	90	47.6	123
3065	COYOTE	DR	JOPLIN	J-0406-F1-P	56	52.6	94.8
3065	COYOTE	DR	JOPLIN	J-0406-B2-P	64	62	165
3069	COYOTE	DR	JOPLIN	J-0405-B2-P	48	27.3	81.2
3069	COYOTE	DR	JOPLIN	J-0405-B1-P	56	30.4	69.8
3069	COYOTE	DR	JOPLIN	J-0405-F2-CP	ND	38.8	132
3069	COYOTE	DR	JOPLIN	J-0405-F2-P	47	41.5	94.6
3069	COYOTE	DR	JOPLIN	J-0405-F1-P	69	42	86.3
3069	COYOTE	DR	JOPLIN	J-0405-DZ-P	69	53.8	73.1
3071	COYOTE	DR	JOPLIN	J-0404-DZ-P	58	26.3	156
3071	COYOTE	DR	JOPLIN	J-0404-B2-P	53	33.2	107
3071	COYOTE	DR	JOPLIN	J-0404-F2-P	63	42.1	57

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3071	COYOTE	DR	JOPLIN	J-0404-F1-P	70	43.7	62.5
3071	COYOTE	DR	JOPLIN	J-0404-B1-P	54	57.2	79.1
3125	COYOTE	DR	JOPLIN	J-0403-DZ-P	71	27	133
3125	COYOTE	DR	JOPLIN	J-0403-B1-P	73	47.3	93.6
3125	COYOTE	DR	JOPLIN	J-0403-B2-P	65	51.1	131
3125	COYOTE	DR	JOPLIN	J-0403-F2-P	53	62.1	169
3125	COYOTE	DR	JOPLIN	J-0403-F1-P	59	64.6	99.6
1128	CRANE	DR	JOPLIN	J-0107-B1-P	28	24.5	145
1128	CRANE	DR	JOPLIN	J-0108-B2-P	35	114	233
1128	CRANE	DR	JOPLIN	J-0109-B2-P	36	118	896
1128	CRANE	DR	JOPLIN	J-0116-BY-P	39	139	776
1128	CRANE	DR	JOPLIN	J-0114-F1-P	59.4	147	2290
1128	CRANE	DR	JOPLIN	J-0113-DZ-P	40	157	1900
1128	CRANE	DR	JOPLIN	J-0114-B1-P	36	158	1870
1128	CRANE	DR	JOPLIN	J-0110-F1-P	30	166	1820
1128	CRANE	DR	JOPLIN	J-0110-B1-P	31	173	1010
1128	CRANE	DR	JOPLIN	J-0114-DZ-P	51	176	3280
1128	CRANE	DR	JOPLIN	J-0113-B1-P	32	197	1070
1128	CRANE	DR	JOPLIN	J-0110-DZ-P	42	218	1260
1128	CRANE	DR	JOPLIN	J-0107-DZ-P	42	223	1290
1128	CRANE	DR	JOPLIN	J-0111-DZ-P	43	224	971
1128	CRANE	DR	JOPLIN	J-0107-F1-P	32	243	943
1128	CRANE	DR	JOPLIN	J-0113-F1-P	36	251	986
1128	CRANE	DR	JOPLIN	J-0110-F2-P	35	257	1020
1128	CRANE	DR	JOPLIN	J-0107-B2-P	30	260	2430
1128	CRANE	DR	JOPLIN	J-0111-F2-P	35	267	1240
1128	CRANE	DR	JOPLIN	J-0112-F1-P	45	268	1110
1128	CRANE	DR	JOPLIN	J-0109-B1-P	40	269	1070
1128	CRANE	DR	JOPLIN	J-0110-B2-P	42	280	1350
1128	CRANE	DR	JOPLIN	J-0117-BY-P	41	300	1800
1128	CRANE	DR	JOPLIN	J-0114-F2-P	72.9	309	3270
1128	CRANE	DR	JOPLIN	J-0109-F2-P	39	326	239
1128	CRANE	DR	JOPLIN	J-0109-F1-P	39	327	3640
1128	CRANE	DR	JOPLIN	J-0358-FY-P	51	329	2020
1128	CRANE	DR	JOPLIN	J-0358-DZ-P	24	333	871
1128	CRANE	DR	JOPLIN	J-0111-B2-P	29	334	1550
1128	CRANE	DR	JOPLIN	J-0115-B2-P	46	339	4540
1128	CRANE	DR	JOPLIN	J-0113-F2-P	39	345	1620
1128	CRANE	DR	JOPLIN	J-0112-DZ-P	28	346	775
1128	CRANE	DR	JOPLIN	J-0108-DZ-P	38	356	1540
1128	CRANE	DR	JOPLIN	J-0112-B1-P	42	361	772
1128	CRANE	DR	JOPLIN	J-0108-F2-P	25	367	1820
1128	CRANE	DR	JOPLIN	J-0107-F2-P	30	400	1570
1128	CRANE	DR	JOPLIN	J-0111-B1-P	46	404	2230
1128	CRANE	DR	JOPLIN	J-0108-B1-P	41	412	3770
1128	CRANE	DR	JOPLIN	J-0116-FY-P	34	434	4170
1128	CRANE	DR	JOPLIN	J-0115-F1-P	40	438	1250
1128	CRANE	DR	JOPLIN	J-0115-F2-CP	63.5	466	12400
1128	CRANE	DR	JOPLIN	J-0113-B2-P	36	475	2590
1128	CRANE	DR	JOPLIN	J-0115-B1-P	37	480	3020
1128	CRANE	DR	JOPLIN	J-0115-F2-P	43	480	3970
1128	CRANE	DR	JOPLIN	J-0108-B1-CP	67.1	493	2460
1128	CRANE	DR	JOPLIN	J-0112-DZ-CP	186	494	1670
1128	CRANE	DR	JOPLIN	J-0114-B2-P	41	495	3450
1128	CRANE	DR	JOPLIN	J-0108-F1-P	40	499	1910
1128	CRANE	DR	JOPLIN	J-0111-F1-P	42	499	2150
1128	CRANE	DR	JOPLIN	J-0112-B2-P	30	591	3480
1128	CRANE	DR	JOPLIN	J-0116-DZ-P	52	623	2220

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
1128	CRANE	DR	JOPLIN	J-0112-F2-P	39	631	3110
1129	CRANE	DR	JOPLIN	J-0112-F2-C2	24.4	650	3530
1128	CRANE	DR	JOPLIN	J-0115-DZ-P	35	678	2470
1128	CRANE	DR	JOPLIN	J-0112-F2-C1	79.8	763	14400
1128	CRANE	DR	JOPLIN	J-0117-DZ-P	NT	945	760
1128	CRANE	DR	JOPLIN	J-0117-FY-P	26	1180	718
1128	CRANE	DR	JOPLIN	J-0358-BY-P	28	1490	1300
1128	CRANE	DR	JOPLIN	J-0109-DZ-P	45	1700	3150
1174	CRANE	DR	JOPLIN	J-0118-DZ-P	31	29.6	97.1
1174	CRANE	DR	JOPLIN	J-0118-B1-P	27	97.3	238
1174	CRANE	DR	JOPLIN	J-0118-F2-P	40	123	545
1174	CRANE	DR	JOPLIN	J-0118-F1-P	37	205	399
1174	CRANE	DR	JOPLIN	J-0118-B2-P	42	307	1200
1221	CRANE	DR	JOPLIN	J-0119-BY-P	42	127	466
1221	CRANE	DR	JOPLIN	J-0119-DZ-P	68	199	922
1221	CRANE	DR	JOPLIN	J-0119-FY-P	49	210	698
1258	CRANE	DR	JOPLIN	J-0120-B1-P	24	39.7	98.3
1258	CRANE	DR	JOPLIN	J-0120-F1-P	23	46.3	193
1258	CRANE	DR	JOPLIN	J-0120-B2-P	28	74.6	285
1258	CRANE	DR	JOPLIN	J-0120-DZ-P	26	92.6	26
1258	CRANE	DR	JOPLIN	J-0120-F2-P	30	109	504
2145	CRANE	DR	JOPLIN	J-0163-F2-P	36	466	2480
2146	CRANE	DR	JOPLIN	J-0163-F1-P	33	478	1690
2146	CRANE	DR	JOPLIN	J-0163-F1-CP	76.9	540	3640
2146	CRANE	DR	JOPLIN	J-0163-B2-P	49	889	1850
2145	CRANE	DR	JOPLIN	J-0163-B1-P	49	626	3160
2146	CRANE	DR	JOPLIN	J-0163-DZ-P	57	934	2590
104	CRESTVIEW	DR	SENECA	S-1011-DZ-P	60	51	109
104	CRESTVIEW	DR	SENECA	S-1011-B2-P	73	52.9	80
104	CRESTVIEW	DR	SENECA	S-1011-B2-CP	ND	65.3	86.3
104	CRESTVIEW	DR	SENECA	S-1011-B1-P	69	77	78.8
104	CRESTVIEW	DR	SENECA	S-1011-F2-P	62	83.6	102
104	CRESTVIEW	DR	SENECA	S-1011-F1-P	51	150	63
104	CRESTVIEW	DR	SENECA	S-1011-F2-CP	ND	150	120
108	CRESTVIEW	DR	SENECA	S-1012-B1-P	63	23	54
108	CRESTVIEW	DR	SENECA	S-1012-F2-P	66	34.3	90
108	CRESTVIEW	DR	SENECA	S-1012-F1-P	67	35.3	76.8
108	CRESTVIEW	DR	SENECA	S-1012-DZ-P	60	36.5	79.9
108	CRESTVIEW	DR	SENECA	S-1012-B2-P	62	87.8	554
207	CRESTVIEW	DR	SENECA	S-1013-DZ-P	59	22	65.4
207	CRESTVIEW	DR	SENECA	S-1013-F2-P	49	25	93.3
207	CRESTVIEW	DR	SENECA	S-1013-F1-P	45	28.2	73.8
207	CRESTVIEW	DR	SENECA	S-1013-B1-P	59	28.4	84.7
207	CRESTVIEW	DR	SENECA	S-1013-B2-P	74	31.7	74.8
208	CRESTVIEW	DR	SENECA	S-1014-B1-P	46	22	51
208	CRESTVIEW	DR	SENECA	S-1014-F1-P	56	22	54
208	CRESTVIEW	DR	SENECA	S-1014-F2-CP	ND	22.8	43.7
208	CRESTVIEW	DR	SENECA	S-1014-B2-P	66	23	69
208	CRESTVIEW	DR	SENECA	S-1014-F2-P	61	24	53
208	CRESTVIEW	DR	SENECA	S-1014-DZ-P	51	45.7	58
211	CRESTVIEW	DR	SENECA	S-1015-B1-P	50	23	54
211	CRESTVIEW	DR	SENECA	S-1015-B2-P	57	24	51
211	CRESTVIEW	DR	SENECA	S-1015-DZ-P	61	24	51
211	CRESTVIEW	DR	SENECA	S-1015-F2-P	52	24	55
211	CRESTVIEW	DR	SENECA	S-1015-F1-P	55	24.9	55
213	CRESTVIEW	DR	SENECA	S-1016-F2-P	60	22.5	55.8
213	CRESTVIEW	DR	SENECA	S-1016-B-P	60	25	54
213	CRESTVIEW	DR	SENECA	S-1016-F1-P	61	28.3	140

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
213	CRESTVIEW	DR	SENECA	S-1016-DZ-P	54	30.9	56
29	CRESTVIEW	DR	SENECA	S-1010-F1-P	52	22	56.2
29	CRESTVIEW	DR	SENECA	S-1010-B2-P	64	24	54
29	CRESTVIEW	DR	SENECA	S-1010-DZ-P	61	25	87.3
29	CRESTVIEW	DR	SENECA	S-1010-B1-P	44	28.1	47.1
29	CRESTVIEW	DR	SENECA	S-1010-F2-P	59	29.4	57
404	CRESTVIEW	DR	SENECA	S-1017-B1-CP	ND	22.7	16.6
404	CRESTVIEW	DR	SENECA	S-1017-F1-P	45	25	60
404	CRESTVIEW	DR	SENECA	S-1017-B2-P	67	26	58
404	CRESTVIEW	DR	SENECA	S-1017-DZ-P	70	26	57
404	CRESTVIEW	DR	SENECA	S-1017-F2-P	53	27	60
404	CRESTVIEW	DR	SENECA	S-1017-B1-P	62	41.9	56
2264	CROW	RD	JOPLIN	J-0347-B2-P	30	49.4	120
2264	CROW	RD	JOPLIN	J-0347-F1-P	43	74.9	379
2264	CROW	RD	JOPLIN	J-0347-F2-P	39	78.8	220
2264	CROW	RD	JOPLIN	J-0347-B1-P	33	89.6	322
2264	CROW	RD	JOPLIN	J-0347-DZ-P	28	106	532
2333	CROW	RD	JOPLIN	J-0164-B1-P	63	59.5	136
2333	CROW	RD	JOPLIN	J-0164-B2-P	57	79.3	165
2333	CROW	RD	JOPLIN	J-0164-FY-P	57	115	399
2393	CROW	RD	JOPLIN	J-0167-F2-P	59	52.3	270
2393	CROW	RD	JOPLIN	J-0167-DZ-P	50	62.7	197
2393	CROW	RD	JOPLIN	J-0167-B1-P	52	75.6	112
2393	CROW	RD	JOPLIN	J-0167-B2-P	63	128	134
2393	CROW	RD	JOPLIN	J-0167-F1-P	64	156	375
28970	DESMOND	LN	WENTWORTH	W-0986-F2-P	72	24	60
28970	DESMOND	LN	WENTWORTH	W-0986-F1-P	57	38.7	134
28970	DESMOND	LN	WENTWORTH	W-0986-B1-P	71	74.5	814
28970	DESMOND	LN	WENTWORTH	W-0986-B2-P	59	160	1660
28970	DESMOND	LN	WENTWORTH	W-0986-DZ-P	65	407	920
11634	DESOTO	LN	RACINE	N-4015-F2-P	71	23	52
11634	DESOTO	LN	RACINE	N-4015-DZ-P	43	23.1	62
11634	DESOTO	LN	RACINE	N-4015-F1-P	43	29.7	40
11634	DESOTO	LN	RACINE	N-4015-B1-P	60	36.5	48
11634	DESOTO	LN	RACINE	N-4015-B2-P	55	36.8	49.2
11825	DESOTO	LN	NEOSHO	N-4016-DZ-P	50	41.5	53.6
11825	DESOTO	LN	NEOSHO	N-4016-B2-CP	ND	53.3	83.3
11825	DESOTO	LN	NEOSHO	N-4016-F1-P	55	54	83.8
11825	DESOTO	LN	NEOSHO	N-4016-B2-P	48	56.7	82.5
11825	DESOTO	LN	NEOSHO	N-4016-B1-P	52	90.4	235
11825	DESOTO	LN	NEOSHO	N-4016-F2-P	47	108	494
4225	DETROIT	LN.	JOPLIN	E-7119-B1-P	NT	76.1	217
4225	DETROIT	LN.	JOPLIN	E-7119-F1-P	NT	114	170
4225	DETROIT	LN.	JOPLIN	E-7119-DZ-P	NT	132	879
4267	DETROIT	LN.	JOPLIN	E-7110-B1-P	NT	53	122
4267	DETROIT	LN.	JOPLIN	E-7110-B2-P	NT	55	216
4267	DETROIT	LN.	JOPLIN	E-7110-F1-P	NT	120	2210
4267	DETROIT	LN.	JOPLIN	E-7110-F2-P	NT	120	1890
4267	DETROIT	LN.	JOPLIN	E-7110-DZ-P	NT	192	2130
4269	DETROIT		JOPLIN	E-7111-B2-P	NT	55	315
4269	DETROIT		JOPLIN	E-7111-F2-P	NT	90	492
4269	DETROIT		JOPLIN	E-7111-F1-P	NT	102	350
4269	DETROIT		JOPLIN	E-7111-DZ-P	NT	116	701
4269	DETROIT		JOPLIN	E-7111-B1-P	NT	126	1310
4185	DOLPHIN	DR	JOPLIN	J-0336-B1-P	45	41.7	209
4185	DOLPHIN	DR	JOPLIN	J-0336-B1-CP	2.1	42.2	320
4185	DOLPHIN	DR	JOPLIN	J-0336-F2-P	36	42.7	378
4185	DOLPHIN	DR	JOPLIN	J-0336-B2-P	44	45.1	188

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4185	DOLPHIN	DR	JOPLIN	J-0336-F1-P	42	46.2	330
4185	DOLPHIN	DR	JOPLIN	J-0336-DZ-P	46	68.8	936
4187	DOLPHIN	DR	JOPLIN	J-0337-F2-P	44	25.4	60
4187	DOLPHIN	DR	JOPLIN	J-0337-DZ-P	36	33.2	80.8
4187	DOLPHIN	DR	JOPLIN	J-0337-F1-P	60	33.3	138.1
4187	DOLPHIN	DR	JOPLIN	J-0337-B2-P	32	35	150
4187	DOLPHIN	DR	JOPLIN	J-0337-B1-P	38	57.3	107
4599	DOLPHIN	DR	JOPLIN	J-0338-F1-P	50	32.6	176
4599	DOLPHIN	DR	JOPLIN	J-0338-B1-P	48	35	44.8
4599	DOLPHIN	DR	JOPLIN	J-0338-F2-P	92	37.1	226
4599	DOLPHIN	DR	JOPLIN	J-0338-DZ-P	44	66.7	102
4599	DOLPHIN	DR	JOPLIN	J-0338-B2-P	52	193	54.3
4639	DOLPHIN	DR	JOPLIN	J-0352-B1-P	39	31.8	110
4639	DOLPHIN	DR	JOPLIN	J-0352-F1-P	51	41.9	165
4639	DOLPHIN	DR	JOPLIN	J-0352-B2-P	47	48.4	177
4639	DOLPHIN	DR	JOPLIN	J-0352-DZ-P	50	51.3	363
4639	DOLPHIN	DR	JOPLIN	J-0352-F2-P	46	85.2	255
4642	DOLPHIN	DR	JOPLIN	J-0339-B2-P	64	38.6	62.4
4642	DOLPHIN	DR	JOPLIN	J-0339-DZ-P	52	54.4	346
4642	DOLPHIN	DR	JOPLIN	J-0339-F2-P	50	55.8	217
4642	DOLPHIN	DR	JOPLIN	J-0339-B1-P	73	61.8	139
4642	DOLPHIN	DR	JOPLIN	J-0339-B1-CP	0.89	72.6	174
4642	DOLPHIN	DR	JOPLIN	J-0339-F1-P	57	80.8	460
4769	DOLPHIN	DR	JOPLIN	J-0340-F2-P	41	57.8	489
4769	DOLPHIN	DR	JOPLIN	J-0340-B1-P	36	69.9	419
4769	DOLPHIN	DR	JOPLIN	J-0340-F1-P	36	93.7	709
4769	DOLPHIN	DR	JOPLIN	J-0340-B2-P	38	95.5	285
4769	DOLPHIN	DR	JOPLIN	J-0340-DZ-P	39	100	544
4771	DOLPHIN	DR	JOPLIN	J-0341-F2-P	67	41.4	104
4771	DOLPHIN	DR	JOPLIN	J-0341-B2-P	61	43.1	68.1
4771	DOLPHIN	DR	JOPLIN	J-0341-DZ-P	45	43.1	148
4771	DOLPHIN	DR	JOPLIN	J-0341-B1-CP	ND	53	1980
4771	DOLPHIN	DR	JOPLIN	J-0341-F1-P	58	53.9	172
4771	DOLPHIN	DR	JOPLIN	J-0341-B1-P	56	78.9	2290
4831	DOLPHIN	DR	JOPLIN	J-0342-F2-P	52	42.2	133
4831	DOLPHIN	DR	JOPLIN	J-0342-B1-P	69	54.3	119
4831	DOLPHIN	DR	JOPLIN	J-0342-B2-P	69	58	161
4831	DOLPHIN	DR	JOPLIN	J-0342-F1-P	46	75.6	167
4831	DOLPHIN	DR	JOPLIN	J-0342-DZ-P	56	85.1	401
4883	DOLPHIN	DR	JOPLIN	J-0343-F2-P	34	57.3	195
4883	DOLPHIN	DR	JOPLIN	J-0343-B1-P	38	74.1	285
4883	DOLPHIN	DR	JOPLIN	J-0343-B2-P	40	81.1	666
4883	DOLPHIN	DR	JOPLIN	J-0343-DZ-P	54	119	830
4883	DOLPHIN	DR	JOPLIN	J-0343-F1-P	44	216	738
4885	DOLPHIN	DR	JOPLIN	J-0344-DZ-P	47	29.6	38.9
4885	DOLPHIN	DR	JOPLIN	J-0344-F1-P	39	37.1	66.2
4885	DOLPHIN	DR	JOPLIN	J-0344-F2-CP	ND	37.5	75.6
4885	DOLPHIN	DR	JOPLIN	J-0344-B2-P	34	41.9	62.5
4885	DOLPHIN	DR	JOPLIN	J-0344-B1-P	33	50.2	113
4885	DOLPHIN	DR	JOPLIN	J-0344-F2-CP	43	51.6	78.7
5045	DOLPHIN	DR	JOPLIN	E-5901-DZ-P	60	102	525
5045	DOLPHIN	DR	JOPLIN	E-5901-F2-P	49	140	1120
5045	DOLPHIN	DR	JOPLIN	E-5901-F1-P	53	150	1460
5045	DOLPHIN	DR	JOPLIN	E-5901-B2-P	42	158	858
5045	DOLPHIN	DR	JOPLIN	E-5901-B1-P	49	195	807
5065	DOLPHIN	DR	JOPLIN	E-5900-B1-P	69	141	1090
5065	DOLPHIN	DR	JOPLIN	E-5900-B2-P	54	188	1090
5065	DOLPHIN	DR	JOPLIN	E-5900-F1-P	57	307	1740

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5065	DOLPHIN	DR	JOPLIN	E-5900-DZ-P	66	511	2260
5065	DOLPHIN	DR	JOPLIN	E-5900-F2-P	66	628	3300
5105	DOLPHIN	DR	JOPLIN	E-5198-F1-P	60	65.3	364
5105	DOLPHIN	DR	JOPLIN	E-5198-B1-P	62	66.5	205
5105	DOLPHIN	DR	JOPLIN	E-5198-DZ-P	51	67.6	301
5105	DOLPHIN	DR	JOPLIN	E-5198-F2-P	71	88.4	380
5122	DOLPHIN	DR	JOPLIN	E-5181-F2-P	46	110	535
5122	DOLPHIN	DR	JOPLIN	E-5181-F1-P	50	149	1640
5122	DOLPHIN	DR	JOPLIN	E-5181-B2-P	57	243	1700
5122	DOLPHIN	DR	JOPLIN	E-5181-B1-P	58	352	353
5122	DOLPHIN	DR	JOPLIN	E-5181-DZ-P	48	476	4790
5373	DOLPHIN	DR	JOPLIN	J-0278-F1-P	41	55.5	269
5373	DOLPHIN	DR	JOPLIN	J-0278-DZ-P	41	81.3	247
5373	DOLPHIN	DR	JOPLIN	J-0278-B1-CP	1.1	126	298
5373	DOLPHIN	DR	JOPLIN	J-0278-F2-P	40	136	1280
5373	DOLPHIN	DR	JOPLIN	J-0278-B1-P	25	138	1290
5373	DOLPHIN	DR	JOPLIN	J-0278-B2-P	48	185	841
5411	DOLPHIN	DR	JOPLIN	J-0279-B2-P	57	38.5	80.8
5411	DOLPHIN	DR	JOPLIN	J-0279-DZ-P	68	54.3	374
5411	DOLPHIN	DR	JOPLIN	J-0279-B1-P	73	102	653
5411	DOLPHIN	DR	JOPLIN	J-0279-F1-P	71	156	887
5411	DOLPHIN	DR	JOPLIN	J-0279-F2-P	87	182	1260
5416	DOLPHIN	DR	JOPLIN	J-0280-F1-P	57	35.4	142
5416	DOLPHIN	DR	JOPLIN	J-0280-F2-P	39	36.8	132
5416	DOLPHIN	DR	JOPLIN	J-0280-B2-P	51	46.7	350
5416	DOLPHIN	DR	JOPLIN	J-0280-DZ-P	46	57.5	335
5416	DOLPHIN	DR	JOPLIN	J-0280-B1-P	57	79.7	519
5423	DOLPHIN	DR	JOPLIN	J-0281-B1-P	47	60.1	314
5423	DOLPHIN	DR	JOPLIN	J-0281-F1-P	45	99.9	682
5423	DOLPHIN	DR	JOPLIN	J-0281-F1-CP	3.3	131	751
5423	DOLPHIN	DR	JOPLIN	J-0281-F2-P	46	138	1340
5423	DOLPHIN	DR	JOPLIN	J-0281-DZ-P	37	181	910
5423	DOLPHIN	DR	JOPLIN	J-0281-B2-P	50	328	1910
5456	DOLPHIN	DR	JOPLIN	J-0383-B1-P	42	86.9	386
5456	DOLPHIN	DR	JOPLIN	J-0383-F1-P	18	105	735
5456	DOLPHIN	DR	JOPLIN	J-0383-DZ-P	36	145	500
5456	DOLPHIN	DR	JOPLIN	J-0383-B2-P	38	146	788
5456	DOLPHIN	DR	JOPLIN	J-0383-F2-P	48	183	2050
6484	DONALD	LN	JOPLIN	E-5176-DZ-P	61	89.8	840
6484	DONALD	LN	JOPLIN	E-5176-B1-P	49	103	340
6484	DONALD	LN	JOPLIN	E-5176-F1-P	68	156	837
6484	DONALD	LN	JOPLIN	E-5176-B2-P	46	187	1400
6484	DONALD	LN	JOPLIN	E-5176-F2-P	54	285	2840
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-B2-P	57	36.8	155
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-F2-P	73	45.4	472
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-F1-P	73	56.1	640
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-F1-CP	5.4	72.7	1220
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-B1-P	66	90.2	1270
31855	DOUGLAS FIR	RD	WENTWORTH	W-0909-DZ-P	87	90.6	1050
5977	DOUGLAS FIR	RD	JOPLIN	E-5887-DZ-P	54	26.3	110
5977	DOUGLAS FIR	RD	JOPLIN	E-5887-F2-P	58	66.3	224
5977	DOUGLAS FIR	RD	JOPLIN	E-5887-F1-P	52	104	426
7192	DOUGLAS FIR	RD	JOPLIN	J-0283-B2-P	48	59.1	1380
7192	DOUGLAS FIR	RD	JOPLIN	J-0283-B1-P	48	264	1430
7192	DOUGLAS FIR	RD	JOPLIN	J-0283-DZ-P	53	351	1530
7192	DOUGLAS FIR	RD	JOPLIN	J-0283-F2-P	60	406	2520
7192	DOUGLAS FIR	RD	JOPLIN	J-0283-F1-P	62	515	2660
4565	DRAKE	DR.	JOPLIN	E-6585-F1-P	140	111	962

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
4565		DRAKE	DR.	JOPLIN	E-6585-B1-P	130	127	496
4565		DRAKE	DR.	JOPLIN	E-6585-DZ-P	110	219	3470
4605		DRAKE	DR.	JOPLIN	E-6587-DZ-P	130	74.6	315
4605		DRAKE	DR.	JOPLIN	E-6587-F1-P	269	116	207
4605		DRAKE	DR.	JOPLIN	E-6587-B1-P	238	165	318
4673		DRAKE	DR.	JOPLIN	E-6588-DZ-P	140	139	783
4673		DRAKE	DR.	JOPLIN	E-6588-B1-P	154	196	695
4673		DRAKE	DR.	JOPLIN	E-6588-F1-P	132	264	7170
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-F2-P	NT	186	286
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-DZ-P	NT	328	619
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-F1-P	NT	362	501
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-B2-P	NT	890	528
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-B1-P	NT	1130	1090
4559	SOUTH	DUQUESNE	RD	JOPLIN	E-6013-B1-CP	6.7	1370	1210
4561	SOUTH	DUQUESNE	RD	JOPLIN	E-6346-DZ-P	NT	72.9	303
4561	SOUTH	DUQUESNE	RD	JOPLIN	E-6346-F1-P	NT	116	386
4561	SOUTH	DUQUESNE	RD	JOPLIN	E-6346-B1-P	NT	117	848
4561	SOUTH	DUQUESNE	RD	JOPLIN	E-6346-B2-P	NT	144	642
4561	SOUTH	DUQUESNE	RD	JOPLIN	E-6346-F2-P	NT	149	288
5573		DUSTIN	LN.	JOPLIN	E-7300-F1-P	NT	39.5	445
5573		DUSTIN	LN.	JOPLIN	E-7300-F2-P	NT	42	234
5573		DUSTIN	LN.	JOPLIN	E-7300-DZ-P	NT	43	367
5573		DUSTIN	LN.	JOPLIN	E-7300-B2-P	NT	64.6	145
5573		DUSTIN	LN.	JOPLIN	E-7300-B1-P	NT	133	2900
5574		DUSTIN	LN.	JOPLIN	E-7301-B2-P	NT	42	162
5574		DUSTIN	LN.	JOPLIN	E-7301-DZ-P	NT	46.3	121.6
5574		DUSTIN	LN.	JOPLIN	E-7301-B1-P	NT	46.7	131
5574		DUSTIN	LN.	JOPLIN	E-7301-F2-P	NT	84.7	313
5574		DUSTIN	LN.	JOPLIN	E-7301-F1-P	NT	237	144
5426		DUTCH ELM	DR	JOPLIN	E-6471-DZ-P	52	29.8	209
5426		DUTCH ELM	DR	JOPLIN	E-6471-B1-P	67	53.1	165
5426		DUTCH ELM	DR	JOPLIN	E-6471-B2-P	77	59.7	398
5426		DUTCH ELM	DR	JOPLIN	E-6471-F1-P	55	69.1	360
5426		DUTCH ELM	DR	JOPLIN	E-6471-F2-P	52	99.9	588
5856		DUTCH ELM	DR	JOPLIN	E-5947-B1-P	57	34.5	169
5856		DUTCH ELM	DR	JOPLIN	E-5947-F1-P	48	48.6	155
5856		DUTCH ELM	DR	JOPLIN	E-5947-B2-P	55	51	206
5856		DUTCH ELM	DR	JOPLIN	E-5947-DZ-P	44	53.1	395
5856		DUTCH ELM	DR	JOPLIN	E-5947-F2-P	59	74.5	652
6086		DUTCH ELM	DR	JOPLIN	J-0284-B2-P	87	84.4	400
6086		DUTCH ELM	DR	JOPLIN	J-0284-B1-P	47	110	1130
6086		DUTCH ELM	DR	JOPLIN	J-0284-F1-P	61	137	888
6086		DUTCH ELM	DR	JOPLIN	J-0284-DZ-P	61	231	955
6097		DUTCH ELM	DR	JOPLIN	J-0285-BY-P	90	23	57
6097		DUTCH ELM	DR	JOPLIN	J-0285-DZ-P	65	37	846
6097		DUTCH ELM	DR	JOPLIN	J-0285-FY-P	70	42.5	129
6119		DUTCH ELM	RD	JOPLIN	J-0286-B2-P	50	131	273
6119		DUTCH ELM	RD	JOPLIN	J-0286-F1-P	45	145	688
6119		DUTCH ELM	RD	JOPLIN	J-0286-F2-P	55	372	2020
6119		DUTCH ELM	RD	JOPLIN	J-0286-B1-P	50	648	1720
6119		DUTCH ELM	RD	JOPLIN	J-0286-DZ-P	53	680	275
6142		DUTCH ELM	DR	JOPLIN	J-0287-F2-P	52	64.1	441
6142		DUTCH ELM	DR	JOPLIN	J-0287-B2-P	51	67.7	577
6142		DUTCH ELM	DR	JOPLIN	J-0287-B1-P	53	94	510
6142		DUTCH ELM	DR	JOPLIN	J-0287-DZ-P	61	162	921
6142		DUTCH ELM	DR	JOPLIN	J-0287-F1-P	65	221	2490
6148		DUTCH ELM	DR	JOPLIN	J-0288-F1-P	52	197	1140
6148		DUTCH ELM	DR	JOPLIN	J-0288-B2-P	72	204	1690

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6148	DUTCH ELM	DR	JOPLIN	J-0288-DZ-P	60	219	1400
6148	DUTCH ELM	DR	JOPLIN	J-0288-F2-P	72	241	2040
6148	DUTCH ELM	DR	JOPLIN	J-0288-B1-P	84	286	5990
6200	DUTCH ELM	DR	JOPLIN	J-0348-B2-P	53	64.1	219
6200	DUTCH ELM	DR	JOPLIN	J-0348-B1-P	46	270	1640
6200	DUTCH ELM	DR	JOPLIN	J-0348-DZ-P	44	292	1760
6200	DUTCH ELM	DR	JOPLIN	J-0348-F1-P	52	335	2510
6200	DUTCH ELM	DR	JOPLIN	J-0348-F2-P	161	3050	31400
6349	DUTCH ELM	RD	JOPLIN	J-0291-B1-P	37	20.2	62.9
6349	DUTCH ELM	RD	JOPLIN	J-0291-F2-P	43	40	89.5
6349	DUTCH ELM	RD	JOPLIN	J-0291-F1-P	43	50	131
6349	DUTCH ELM	RD	JOPLIN	J-0291-B2-P	49	59.2	252
6349	DUTCH ELM	RD	JOPLIN	J-0291-DZ-P	43	121	2260
6388	DUTCH ELM	DR	JOPLIN	J-0293-F1-P	35	28.9	339
6388	DUTCH ELM	DR	JOPLIN	J-0293-DZ-P	40	33.7	220
6388	DUTCH ELM	DR	JOPLIN	J-0293-F1-CP	2.6	35	443
6388	DUTCH ELM	DR	JOPLIN	J-0293-B1-P	29	36.6	204
6388	DUTCH ELM	DR	JOPLIN	J-0293-B2-P	30	38.3	181
6388	DUTCH ELM	DR	JOPLIN	J-0293-F2-P	39	43.6	113
6551	DUTCH ELM	DR	JOPLIN	J-0297-B2-P	37	15.2	42.2
6551	DUTCH ELM	DR	JOPLIN	J-0297-F1-P	38	18	50.3
6551	DUTCH ELM	DR	JOPLIN	J-0297-DZ-P	41	19.9	59.3
6551	DUTCH ELM	DR	JOPLIN	J-0297-F2-P	37	32	53.7
6551	DUTCH ELM	DR	JOPLIN	J-0297-B1-P	30	85	494
6676	DUTCH ELM	DR	JOPLIN	J-0300-F2-P	66	118	564
6676	DUTCH ELM	DR	JOPLIN	J-0300-F1-P	61	198	946
6676	DUTCH ELM	DR	JOPLIN	J-0300-DZ-P	71	674	5420
6676	DUTCH ELM	DR	JOPLIN	J-0300-B2-P	72	717	7240
6676	DUTCH ELM	DR	JOPLIN	J-0300-B2-CP	58.4	1010	14500
6676	DUTCH ELM	DR	JOPLIN	J-0300-B1-P	100	1120	7870
6704	DUTCH ELM	DR	JOPLIN	J-0301-B1-P	52	150	394
6704	DUTCH ELM	DR	JOPLIN	J-0301-DZ-P	57	181	843
6704	DUTCH ELM	DR	JOPLIN	J-0301-F2-P	52	222	3520
6704	DUTCH ELM	DR	JOPLIN	J-0301-B2-P	61	262	3420
6704	DUTCH ELM	DR	JOPLIN	J-0301-F1-P	68	332	2400
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-P	108	270	31600
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-P	76.2	273	31500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-C2	19.6	603	4780
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-P	31	664	4540
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-C1	24.6	689	7880
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-P	56	848	5990
6759	DUTCH ELM	DR	JOPLIN	J-0303-DZ-P	46	1210	9250
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-C1	70.2	1320	13500
6759	DUTCH ELM	DR	JOPLIN	J-0303-B2-P	70.3	1820	22500
6759	DUTCH ELM	DR	JOPLIN	J-0303-F1-P	66	1820	18200
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-C2	46.3	2010	13000
6759	DUTCH ELM	DR	JOPLIN	J-0303-F2-P	95.4	2080	12000
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-P	89.4	2170	15900
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-P	117	2190	24600
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-C1	110	2260	33800
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-C1	110	2600	31900
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-C2	85.2	3060	18300
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-C2	120	3660	34500
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-CP	107	4040	60500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-C1	353	4320	70500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-C2	273	4970	56700
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-C2	153	5720	38900
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-C1	180	6960	50300

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6148	DUTCH ELM	DR	JOPLIN	J-0288-DZ-P	60	219	1400
6148	DUTCH ELM	DR	JOPLIN	J-0288-F2-P	72	241	2040
6148	DUTCH ELM	DR	JOPLIN	J-0288-B1-P	84	266	5990
6200	DUTCH ELM	DR	JOPLIN	J-0348-B2-P	53	64.1	219
6200	DUTCH ELM	DR	JOPLIN	J-0348-B1-P	46	270	1640
6200	DUTCH ELM	DR	JOPLIN	J-0348-DZ-P	44	292	1760
6200	DUTCH ELM	DR	JOPLIN	J-0348-F1-P	52	335	2510
6200	DUTCH ELM	DR	JOPLIN	J-0348-F2-P	181	3060	31400
6349	DUTCH ELM	RD	JOPLIN	J-0291-B1-P	37	20.2	62.9
6349	DUTCH ELM	RD	JOPLIN	J-0291-F2-P	43	40	89.5
6349	DUTCH ELM	RD	JOPLIN	J-0291-F1-P	43	50	131
6349	DUTCH ELM	RD	JOPLIN	J-0291-B2-P	49	59.2	252
6349	DUTCH ELM	RD	JOPLIN	J-0291-DZ-P	43	121	2260
6388	DUTCH ELM	DR	JOPLIN	J-0293-F1-P	35	28.9	339
6388	DUTCH ELM	DR	JOPLIN	J-0293-DZ-P	40	33.7	220
6388	DUTCH ELM	DR	JOPLIN	J-0293-F1-CP	2.6	35	443
6388	DUTCH ELM	DR	JOPLIN	J-0293-B1-P	29	36.6	204
6388	DUTCH ELM	DR	JOPLIN	J-0293-B2-P	30	38.3	181
6388	DUTCH ELM	DR	JOPLIN	J-0293-F2-P	39	43.6	113
6551	DUTCH ELM	DR	JOPLIN	J-0297-B2-P	37	15.2	42.2
6551	DUTCH ELM	DR	JOPLIN	J-0297-F1-P	38	18	50.3
6551	DUTCH ELM	DR	JOPLIN	J-0297-DZ-P	41	19.9	59.3
6551	DUTCH ELM	DR	JOPLIN	J-0297-F2-P	37	32	53.7
6551	DUTCH ELM	DR	JOPLIN	J-0297-B1-P	30	85	494
6676	DUTCH ELM	DR	JOPLIN	J-0300-F2-P	66	118	564
6676	DUTCH ELM	DR	JOPLIN	J-0300-F1-P	61	198	946
6676	DUTCH ELM	DR	JOPLIN	J-0300-DZ-P	71	674	3420
6676	DUTCH ELM	DR	JOPLIN	J-0300-B2-P	72	717	7240
6676	DUTCH ELM	DR	JOPLIN	J-0300-B2-CP	58.4	1010	14500
6676	DUTCH ELM	DR	JOPLIN	J-0300-B1-P	100	1120	7870
6704	DUTCH ELM	DR	JOPLIN	J-0301-B1-P	52	150	394
6704	DUTCH ELM	DR	JOPLIN	J-0301-DZ-P	57	181	843
6704	DUTCH ELM	DR	JOPLIN	J-0301-F2-P	52	222	3520
6704	DUTCH ELM	DR	JOPLIN	J-0301-B2-P	61	262	3420
6704	DUTCH ELM	DR	JOPLIN	J-0301-F1-P	68	332	2400
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-P	108	270	31600
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-P	76.2	273	31500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-C2	19.6	503	4780
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-P	31	654	4540
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F2-C1	24.8	689	7860
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-P	55	948	5990
6759	DUTCH ELM	DR	JOPLIN	J-0303-DZ-P	36	1210	9250
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-C1	70.2	1320	13500
6759	DUTCH ELM	DR	JOPLIN	J-0303-B2-P	70.3	1820	22500
6759	DUTCH ELM	DR	JOPLIN	J-0303-F1-P	66	1620	18200
6759	DUTCH ELM	DR	JOPLIN	J-0303R-DZ-C2	49.3	2010	13000
6759	DUTCH ELM	DR	JOPLIN	J-0303-F2-P	65.4	2080	12000
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-P	89.4	2170	15800
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-P	117	2190	24600
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-C1	110	2260	33800
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-C1	110	2800	31900
6759	DUTCH ELM	DR	JOPLIN	J-0303R-F1-C2	86.2	3060	18300
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-C2	120	3660	24600
6759	DUTCH ELM	DR	JOPLIN	J-0303-B1-CP	107	4040	60500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-C1	353	4320	70500
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B2-C2	273	4870	56700
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-C2	153	5720	38900
6759	DUTCH ELM	DR	JOPLIN	J-0303R-B1-C1	180	6960	50300

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6815	DUTCH ELM	DR	JOPLIN	J-0304-B2-C1	34.1	493	7050
6815	DUTCH ELM	DR	JOPLIN	J-0304-B2-P	25.6	501	6510
6815	DUTCH ELM	DR	JOPLIN	J-0304-B2-C2	26	506	6200
6815	DUTCH ELM	DR	JOPLIN	J-0304-DZ-P	47.1	884	12300
6815	DUTCH ELM	DR	JOPLIN	J-0304-F2-P	55.6	1030	16700
6815	DUTCH ELM	DR	JOPLIN	J-0304-DZ-C1	104	1040	33800
6815	DUTCH ELM	DR	JOPLIN	J-0304-F2-C1	114	1280	25700
6815	DUTCH ELM	DR	JOPLIN	J-0304-B1-P	48.3	1300	25100
6815	DUTCH ELM	DR	JOPLIN	J-0304-B1-C1	89.7	1620	30700
6815	DUTCH ELM	DR	JOPLIN	J-0304-DZ-C2	103	1720	31200
6815	DUTCH ELM	DR	JOPLIN	J-0304-F2-C2	110	2010	29200
6815	DUTCH ELM	DR	JOPLIN	J-0304-F1-P	57.3	2120	23300
6815	DUTCH ELM	DR	JOPLIN	J-0304-B1-C2	125	2700	35700
6815	DUTCH ELM	DR	JOPLIN	J-0304-F1-C1	122	2680	31600
6815	DUTCH ELM	DR	JOPLIN	J-0304-F1-C2	157	5240	41500
6918	DUTCH ELM	DR	JOPLIN	J-0308-B1-P	46	20.3	634
6918	DUTCH ELM	DR	JOPLIN	J-0308-B2-P	44	21.9	72.4
6918	DUTCH ELM	DR	JOPLIN	J-0308-DZ-P	50	40.2	133
6918	DUTCH ELM	DR	JOPLIN	J-0308-F2-P	48	56.5	354
6918	DUTCH ELM	DR	JOPLIN	J-0308-F1-P	55	56.6	319
6980	DUTCH ELM	DR	JOPLIN	J-0309-B2-P	48	89.8	432
6980	DUTCH ELM	DR	JOPLIN	J-0309-F2-P	36	138	803
6980	DUTCH ELM	DR	JOPLIN	J-0309-F1-P	31	139	1260
6980	DUTCH ELM	DR	JOPLIN	J-0309-DZ-P	46	177	968
6980	DUTCH ELM	DR	JOPLIN	J-0309-B1-P	40	348	1360
7214	DUTCH ELM	DR	JOPLIN	J-0310-FY-P	80	26	58
7214	DUTCH ELM	DR	JOPLIN	J-0310-BY-P	57	33	148
7214	DUTCH ELM	DR	JOPLIN	J-0310-DZ-P	68	34	323
7244	DUTCH ELM	DR	JOPLIN	J-0311-B2-P	39	58.5	292
7244	DUTCH ELM	DR	JOPLIN	J-0311-DZ-P	36	121	406
7244	DUTCH ELM	DR	JOPLIN	J-0311-B1-P	30	190	770
7244	DUTCH ELM	DR	JOPLIN	J-0311-F1-P	36	291	15200
7244	DUTCH ELM	DR	JOPLIN	J-0311-F2-P	31	406	36100
7271	DUTCH ELM	DR	JOPLIN	J-0380-B2-P	55	173	1310
7271	DUTCH ELM	DR	JOPLIN	J-0380-DZ-P	98	173	1950
7271	DUTCH ELM	DR	JOPLIN	J-0380-B1-P	49	213	1140
7271	DUTCH ELM	DR	JOPLIN	J-0380-F1-P	56	472	2900
7271	DUTCH ELM	DR	JOPLIN	J-0380-F2-P	58	520	3050
326	E 34TH	ST	JOPLIN	J-1513-B1-P	43	36	96.3
326	E 34TH	ST	JOPLIN	J-1513-F1-P	62	46.9	147
326	E 34TH	ST	JOPLIN	J-1513-F2-P	37	48.7	159
326	E 34TH	ST	JOPLIN	J-1513-DZ-P	48	53.9	255
326	E 34TH	ST	JOPLIN	J-1513-B2-P	50	70.1	247
10214	EARP	LN	JOPLIN	J-0321-DZ-P	25	25	161
10214	EARP	LN	JOPLIN	J-0321-F2-P	31	32.6	203
10214	EARP	LN	JOPLIN	J-0321-B2-P	36	43.5	224
10214	EARP	LN	JOPLIN	J-0321-B1-P	43	44.7	136
10214	EARP	LN	JOPLIN	J-0321-F1-P	32	55.4	240
5554	ELAND	RD	JOPLIN	J-0312-FY-P	58	468	3150
5554	ELAND	RD	JOPLIN	J-0312-DZ-P	70.4	1660	13400
5554	ELAND	RD	JOPLIN	J-0312-BY-P	64	2000	22900
5634	ELAND	RD	JOPLIN	J-0313-B2-P	41	166	838
5634	ELAND	RD	JOPLIN	J-0313-F2-P	42	202	826
5634	ELAND	RD	JOPLIN	J-0313-B1-P	37	215	876
5634	ELAND	RD	JOPLIN	J-0313-DZ-P	51	549	2060
5634	ELAND	RD	JOPLIN	J-0313-F1-P	50	829	4950
6344	ELAND	RD	JOPLIN	E-5838-B2-P	61	23.9	92.2
6344	ELAND	RD	JOPLIN	E-5838-B1-P	46	38.8	48

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6344	ELAND	RD	JOPLIN	E-5838-F1-P	41	63.3	724
6344	ELAND	RD	JOPLIN	E-5838-F2-P	47	129	934
6344	ELAND	RD	JOPLIN	E-5838-DZ-P	52	150	815
6776	ELAND	RD	JOPLIN	J-0407-B1-P	52	39.5	141
6776	ELAND	RD	JOPLIN	J-0407-DZ-P	51	47.6	169
6776	ELAND	RD	JOPLIN	J-0407-F1-P	74	48.3	265
6776	ELAND	RD	JOPLIN	J-0407-F2-P	51	58.4	520
6776	ELAND	RD	JOPLIN	J-0407-B2-P	50	91.8	349
8941	ELAND	RD	NEOSHO	E-6054-B1-P	NT	102	492
8941	ELAND	RD	NEOSHO	E-6054-B2-P	NT	127	444
8941	ELAND	RD	NEOSHO	E-6054-F2-P	NT	220	1230
8941	ELAND	RD	NEOSHO	E-6054-DZ-P	NT	222	772
8941	ELAND	RD	NEOSHO	E-6054-F1-P	NT	1150	267
9907	ELAND	RD	NEOSHO	T-0609-B1-P	38	161	974
9907	ELAND	RD	NEOSHO	T-0609-DZ-P	44	189	1270
9907	ELAND	RD	NEOSHO	T-0609-F2-P	69	476	4250
9907	ELAND	RD	NEOSHO	T-0609-B2-P	41	549	8089.6
9907	ELAND	RD	NEOSHO	T-0609-F1-P	40	620	3510
9921	ELAND	RD	NEOSHO	T-0608-DZ-P	46	412	487
9921	ELAND	RD	NEOSHO	T-0608-F1-P	53	461	435
9921	ELAND	RD	NEOSHO	T-0608-B1-P	69	482	463
28063	ELDER	RD	PIERCE CITY	W-0941-F2-P	72	69.5	190
28063	ELDER	RD	PIERCE CITY	W-0941-F1-P	55	82.1	802
28063	ELDER	RD	PIERCE CITY	W-0941-B2-P	73	101	618
28063	ELDER	RD	PIERCE CITY	W-0941-B1-P	75	209	1490
28063	ELDER	RD	PIERCE CITY	W-0941-DZ-P	92	474	1900
28063	ELDER	RD	PIERCE CITY	W-0941-DZ-CP	10.1	797	3550
28339	ELDER	RD	PIERCE CITY	W-0971-F1-P	61	28	222
28339	ELDER	RD	PIERCE CITY	W-0971-F2-P	46	37	63
28339	ELDER	RD	PIERCE CITY	W-0971-B2-P	75	37.6	512
28339	ELDER	RD	PIERCE CITY	W-0971-B1-P	61	41.3	692
28339	ELDER	RD	PIERCE CITY	W-0971-DZ-P	60	209	771
31406	ELDER	RD	WENTWORTH	W-0962-DZ-P	65	24.3	248
31406	ELDER	RD	WENTWORTH	W-0962-B1-P	56	33.5	122
31406	ELDER	RD	WENTWORTH	W-0962-B2-P	66	39	245
31406	ELDER	RD	WENTWORTH	W-0962-F2-P	68	51.4	529
31406	ELDER	RD	WENTWORTH	W-0962-F1-P	70	58.9	746
31648	ELDER	RD	WENTWORTH	W-0964-BY-P	54	23	88.7
31648	ELDER	RD	WENTWORTH	W-0964-F2-P	58	29.9	216
31648	ELDER	RD	WENTWORTH	W-0964-F1-P	61	31.8	223
31648	ELDER	RD	WENTWORTH	W-0964-DZ-P	63	40.1	185
31923	ELDER	RD	WENTWORTH	W-0965-F2-P	75	27	299
31923	ELDER	RD	WENTWORTH	W-0965-B1-P	90	29.4	410
31923	ELDER	RD	WENTWORTH	W-0965-F1-P	64	31	197
31923	ELDER	RD	WENTWORTH	W-0965-DZ-P	80	94.1	708
8905	ELOISE	LN	JOPLIN	E-5016-B1-P	44	75.5	219
8905	ELOISE	LN	JOPLIN	E-5016-F2-P	50	161	613
8905	ELOISE	LN	JOPLIN	E-5016-F1-P	48	241	1030
8905	ELOISE	LN	JOPLIN	E-5016-DZ-P	58	323	974
8905	ELOISE	LN	JOPLIN	E-5016-B2-P	67	488	1920
8905	ELOISE	LN	JOPLIN	E-5016-B2-CP	23.2	615	3370
8196	ELSA	LN	JOPLIN	J-0317-B1-P	43	28.6	89.3
8196	ELSA	LN	JOPLIN	J-0317-F1-P	68	33	48
8196	ELSA	LN	JOPLIN	J-0317-F2-P	45	37	208
8196	ELSA	LN	JOPLIN	J-0317-B2-P	60	55.3	103
8196	ELSA	LN	JOPLIN	J-0317-DZ-P	31	4501	2560
8240	ELSA	LN	JOPLIN	J-0318-B1-P	45	15	146
8240	ELSA	LN	JOPLIN	J-0318-B2-P	35	39.6	62.4

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
8240	ELSA	LN	JOPLIN	J-0318-F2-P	57	76.6	187
8240	ELSA	LN	JOPLIN	J-0318-DZ-P	32	138	1160
8240	ELSA	LN	JOPLIN	J-0318-F1-P	41	147	199
8304	ELSA	LN	JOPLIN	J-0319-F1-P	40	29.4	71.1
8304	ELSA	LN	JOPLIN	J-0319-F2-P	37	31.7	75.3
8304	ELSA	LN	JOPLIN	J-0319-B1-P	44	47.5	85.6
8380	ELSA	LN	JOPLIN	J-0320-F2-P	31	58.6	171
8380	ELSA	LN	JOPLIN	J-0320-B2-P	46	84.1	1470
8380	ELSA	LN	JOPLIN	J-0320-DZ-P	50	98.7	529
8380	ELSA	LN	JOPLIN	J-0320-B1-P	60	113	272
8380	ELSA	LN	JOPLIN	J-0320-F1-P	56	149	592
11640	EMDEN	LN.	RACINE	E-6876-F1-P	NT	47	191
11640	EMDEN	LN.	RACINE	E-6876-B2-P	NT	54	315
11640	EMDEN	LN.	RACINE	E-6876-DZ-P	NT	72.8	345
11640	EMDEN	LN.	RACINE	E-6876-B1-P	NT	90	157
11640	EMDEN	LN.	RACINE	E-6876-F2-P	NT	120	475
11738	EMDEN	LN	RACINE	N-4043-B2-P	72	25.6	87.8
11738	EMDEN	LN	RACINE	N-4043-F2-P	69	33.6	183
11738	EMDEN	LN	RACINE	N-4043-DZ-P	71	40.5	105
11738	EMDEN	LN	RACINE	N-4043-F1-P	73	54.8	248
11738	EMDEN	LN	RACINE	N-4043-B1-P	67	72.4	360
3895	EMMERIL	LN	JOPLIN	J-4033-B2-P	NT	51	67
3895	EMMERIL	LN	JOPLIN	J-4033-B1-P	NT	53	71
3895	EMMERIL	LN	JOPLIN	J-4033-F1-P	NT	58	80
3895	EMMERIL	LN	JOPLIN	J-4033-DZ-P	NT	69	73
3895	EMMERIL	LN	JOPLIN	J-4033-F2-P	NT	72.1	76.7
17046	EVA	LN	NEOSHO	D-0705-B1-P	46	24	1030
17046	EVA	LN	NEOSHO	D-0705-F2-P	35	26.9	161
17046	EVA	LN	NEOSHO	D-0705-DZ-P	45	27.2	3480
17045	EVA	LN	NEOSHO	D-0705-B2-P	18	31.6	121
17045	EVA	LN	NEOSHO	D-0705-F1-P	42	32.1	236
29874	EVAN	LN	WENTWORTH	W-0974-F1-CP	3	18.3	510
29874	EVAN	LN	WENTWORTH	W-0974-F1-CD	2.9	18.6	525
29874	EVAN	LN	WENTWORTH	W-0974-B1-P	60	24	1360
29874	EVAN	LN	WENTWORTH	W-0974-F2-P	68	25.5	60
29874	EVAN	LN	WENTWORTH	W-0974-DZ-P	63	31.4	692
29874	EVAN	LN	WENTWORTH	W-0974-F1-P	58	35.4	521
29874	EVAN	LN	WENTWORTH	W-0974-B2-P	52	45.6	77.8
8611	FALCON	RD	NEOSHO	E-5005-B2-P	42	57.1	245
8611	FALCON	RD	NEOSHO	E-5005-F2-P	44	78.6	603
8611	FALCON	RD	NEOSHO	E-5005-DZ-P	39	90.4	595
8611	FALCON	RD	NEOSHO	E-5005-B1-P	37	120	578
8611	FALCON	RD	NEOSHO	E-5005-DZ-CP	3.6	137	1010
8611	FALCON	RD	NEOSHO	E-5005-F1-P	40	212	1440
8622	FALCON	RD	NEOSHO	E-5001-B1-P	40	20.2	31
8622	FALCON	RD	NEOSHO	E-5001-F2-P	39	22.3	41.8
8622	FALCON	RD	NEOSHO	E-5001-F1-P	40	23.1	39.2
8622	FALCON	RD	NEOSHO	E-5001-B2-P	35	27.6	45.4
8622	FALCON	RD	NEOSHO	E-5001-DZ-P	36	27.8	54.6
8925	FALCON	RD	NEOSHO	E-5003-B1-P	36	28.3	152
8925	FALCON	RD	NEOSHO	E-5003-F2-P	34	38.8	81.2
8925	FALCON	RD	NEOSHO	E-5003-F1-P	28	44.2	177
8925	FALCON	RD	NEOSHO	E-5003-F1-CP	ND	45.6	289
8925	FALCON	RD	NEOSHO	E-5003-B2-P	43	51.1	540
8925	FALCON	RD	NEOSHO	E-5003-DZ-P	41	171	1450
9165	FALCON	RD	NEOSHO	E-5004-F2-P	32	32.5	271
9165	FALCON	RD	NEOSHO	E-5004-DZ-P	46	34.9	270
9165	FALCON	RD	NEOSHO	E-5004-F1-P	29	42.6	315

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
9165	FALCON	RD	NEOSHO	E-5004-F2-CP	ND	47.5	306
9165	FALCON	RD	NEOSHO	E-5004-B2-P	42	49	226
9165	FALCON	RD	NEOSHO	E-5004-B1-P	45	82.1	436
9485	FALCON	RD	NEOSHO	E-5012-DZ-P	47	21.6	37
9485	FALCON	RD	NEOSHO	E-5012-F2-P	38	23.6	48.2
9485	FALCON	RD	NEOSHO	E-5012-B2-P	31	24.4	46.2
9485	FALCON	RD	NEOSHO	E-5012-F1-P	46	27.4	57
9485	FALCON	RD	NEOSHO	E-5012-B1-P	39	39.8	94.9
9622	FALCON	RD	NEOSHO	E-5527-B2-P	61	38.6	71.4
9622	FALCON	RD	NEOSHO	E-5527-B1-P	63	41.2	91.4
9622	FALCON	RD	NEOSHO	E-5527-F2-P	46	54.1	218
9622	FALCON	RD	NEOSHO	E-5527-F1-P	65	68.8	190
9622	FALCON	RD	NEOSHO	E-5527-DZ-P	50	128	508
9915	FALCON	RD	NEOSHO	E-5530-B1-P	53	53.8	178
9915	FALCON	RD	NEOSHO	E-5530-DZ-P	42	69.2	434
9915	FALCON	RD	NEOSHO	E-5530-F1-P	55	75.8	252
9915	FALCON	RD	NEOSHO	E-5530-B2-P	67	81.9	122
9915	FALCON	RD	NEOSHO	E-5530-F2-P	48	105	196
113	FAWN	TRAIL	SENECA	S-1019-DZ-P	65	24	58
113	FAWN	TRAIL	SENECA	S-1019-B1-P	57	26	71.8
113	FAWN	TRAIL	SENECA	S-1019-F1-P	68	26	61
113	FAWN	TRAIL	SENECA	S-1019-F2-P	70	27.1	57
113	FAWN	TRAIL	SENECA	S-1019-B2-P	61	30	66
103	FAWN TRAIL		SENECA	S-1018-F2-P	56	30.3	60
103	FAWN TRAIL		SENECA	S-1018-DZ-P	55	30.7	61
103	FAWN TRAIL		SENECA	S-1018-B2-P	53	32.9	57
103	FAWN TRAIL		SENECA	S-1018-F1-P	59	37.7	56
103	FAWN TRAIL		SENECA	S-1018-B1-P	43	48.6	61
117	FAWN TRAIL		SENECA	S-1020-B2-P	60	27.1	130
117	FAWN TRAIL		SENECA	S-1020-F1-P	53	33.8	368
117	FAWN TRAIL		SENECA	S-1020-B1-P	62	36.4	272
117	FAWN TRAIL		SENECA	S-1020-F2-P	66	49.5	534
117	FAWN TRAIL		SENECA	S-1020-DZ-P	59	56.4	412
123	FAWN TRAIL		SENECA	S-1021-B2-P	48	37.3	65.4
123	FAWN TRAIL		SENECA	S-1021-B1-P	51	42.5	59
123	FAWN TRAIL		SENECA	S-1021-DZ-P	51	42.6	171
123	FAWN TRAIL		SENECA	S-1021-F2-P	57	45.6	67
123	FAWN TRAIL		SENECA	S-1021-F1-P	53	46.4	127
127	FAWN TRAIL		SENECA	S-1022-B1-P	57	25	234
127	FAWN TRAIL		SENECA	S-1022-B1-CP	2.9	32.3	532
127	FAWN TRAIL		SENECA	S-1022-DZ-P	48	39.2	136
127	FAWN TRAIL		SENECA	S-1022-F2-P	54	44.2	216
127	FAWN TRAIL		SENECA	S-1022-F1-P	61	45.6	424
127	FAWN TRAIL		SENECA	S-1022-B2-P	61	45.9	133
3501	FERGUSON		JOPLIN	J-0494-B1-P	47	25.1	58
3501	FERGUSON		JOPLIN	J-0494-DZ-P	50	54.5	139
3501	FERGUSON		JOPLIN	J-0494-F1-P	64	57	288
3501	FERGUSON		JOPLIN	J-0494-B2-P	51	135	734
3501	FERGUSON		JOPLIN	J-0494-F2-P	60	466	176
3612	FERGUSON		JOPLIN	J-0495-B1-P	52	20	49
3612	FERGUSON		JOPLIN	J-0495-B2-CP	ND	24.9	64.5
3612	FERGUSON		JOPLIN	J-0495-DZ-P	49	33.2	51
3612	FERGUSON		JOPLIN	J-0495-B2-P	63	41.7	55
3612	FERGUSON		JOPLIN	J-0495-F1-P	57	62.1	48
3612	FERGUSON		JOPLIN	J-0495-F2-P	47	86	48
3702	FERGUSON		JOPLIN	J-0496-B1-P	41	37.2	329
3702	FERGUSON		JOPLIN	J-0496-F2-P	60	42.5	317
3702	FERGUSON		JOPLIN	J-0496-B2-P	62	54.7	339

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3702	FERGUSON		JOPLIN	J-0496-DZ-P	52	55	338
3702	FERGUSON		JOPLIN	J-0496-F1-P	51	76	367
3708	FERGUSON		JOPLIN	J-0497-B2-P	55	42.7	422
3708	FERGUSON		JOPLIN	J-0497-F1-P	62	45.6	369
3708	FERGUSON		JOPLIN	J-0497-B1-P	52	48.5	253
3708	FERGUSON		JOPLIN	J-0497-DZ-P	51	53.1	531
3708	FERGUSON		JOPLIN	J-0497-F2-P	62	57.9	381
3731	FERGUSON		JOPLIN	J-0498-B2-P	54	25	152
3731	FERGUSON		JOPLIN	J-0498-DZ-P	68	27.8	81.8
3731	FERGUSON		JOPLIN	J-0498-F1-P	49	28.4	58.3
3731	FERGUSON		JOPLIN	J-0498-B1-P	64	34.9	87
3731	FERGUSON		JOPLIN	J-0498-F2-P	61	37.1	55
6422	FILLY	LN	JOPLIN	E-5855-F2-P	47	28.2	79.8
6422	FILLY	LN	JOPLIN	E-5855-B1-P	52	29.1	56
6422	FILLY	LN	JOPLIN	E-5855-F1-P	53	30.5	54
6422	FILLY	LN	JOPLIN	E-5855-B2-P	47	31.7	54
6422	FILLY	LN	JOPLIN	E-5855-DZ-P	58	44.1	54
10865	FOLIAGE	RD	JOPLIN	J-4073-B1-P	NT	72.4	275
10865	FOLIAGE	RD	JOPLIN	J-4073-F1-P	NT	93	766
10865	FOLIAGE	RD	JOPLIN	J-4073-B2-P	NT	112	610
10865	FOLIAGE	RD	JOPLIN	J-4073-F2-P	NT	156	1350
10865	FOLIAGE	RD	JOPLIN	J-4073-DZ-P	NT	213	593
30532	FOLIAGE	RD	WENTWORTH	W-0953-F2-P	66	24	84.2
30532	FOLIAGE	RD	WENTWORTH	W-0953-B2-P	53	33.8	108
30532	FOLIAGE	RD	WENTWORTH	W-0953-B1-P	57	44.6	122
30532	FOLIAGE	RD	WENTWORTH	W-0953-F1-P	51	47	250
30532	FOLIAGE	RD	WENTWORTH	W-0953-DZ-P	64	54.8	600
5047	FOLIAGE	RD.	SENECA	E-7032-BY-P	NT	68.8	337
5047	FOLIAGE	RD.	SENECA	E-7032-FY-P	NT	110	361
5047	FOLIAGE	RD.	SENECA	E-7032-DZ-P	NT	313	1380
5079	FOLIAGE	RD.	SENECA	E-7033-B1-P	NT	50	68
5079	FOLIAGE	RD.	SENECA	E-7033-F1-P	NT	50	111
5079	FOLIAGE	RD.	SENECA	E-7033-DZ-P	NT	53	172
5079	FOLIAGE	RD.	SENECA	E-7033-F2-P	NT	58.8	190
5079	FOLIAGE	RD.	SENECA	E-7033-B2-P	NT	64.2	353
5107	FOLIAGE	RD	SENECA	S-1107-F1-P	NT	55	100
5107	FOLIAGE	RD	SENECA	S-1107-B2-P	NT	60	118
5107	FOLIAGE	RD	SENECA	S-1107-B1-P	NT	60.1	138
5107	FOLIAGE	RD	SENECA	S-1107-F2-P	NT	110	190
5107	FOLIAGE	RD	SENECA	S-1107-DZ-P	NT	400	1460
5140	FOLIAGE	RD.	SENECA	E-6706-B2-P	NT	38.4	92.5
5140	FOLIAGE	RD.	SENECA	E-6706-B1-P	NT	44.9	220
5140	FOLIAGE	RD.	SENECA	E-6706-F2-P	NT	47.5	164
5140	FOLIAGE	RD.	SENECA	E-6706-F1-P	NT	65.3	274
5140	FOLIAGE	RD.	SENECA	E-6706-DZ-P	NT	120	773
5433	FOLIAGE	RD	JOPLIN	E-6583-F1-P	NT	26.7	51.8
5433	FOLIAGE	RD	JOPLIN	E-6583-F2-P	NT	43	61
5433	FOLIAGE	RD	JOPLIN	E-6583-DZ-P	NT	49	73.1
5433	FOLIAGE	RD	JOPLIN	E-6583-B1-P	NT	61.4	119
5433	FOLIAGE	RD	JOPLIN	E-6583-B2-P	NT	70.2	106
9621	FOLIAGE	RD	JOPLIN	T-1606-F1-P	40	29.1	107
9621	FOLIAGE	RD	JOPLIN	T-1606-B2-P	35	42.9	132
9621	FOLIAGE	RD	JOPLIN	T-1606-DZ-P	47	43.1	231
9621	FOLIAGE	RD	JOPLIN	T-1606-B1-P	40	48.4	143
9621	FOLIAGE	RD	JOPLIN	T-1606-F2-P	33	50	178
9791	FOLIAGE	RD	JOPLIN	E-5619-B1-P	NT	51	109
9791	FOLIAGE	RD	JOPLIN	E-5619-B2-P	NT	53	144
9791	FOLIAGE	RD	JOPLIN	E-5619-F2-P	NT	53	152

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
9791	FOLIAGE	RD	JOPLIN	E-5619-DZ-P	NT	57	203
9791	FOLIAGE	RD	JOPLIN	E-5619-F1-P	NT	57	77
9812	FOLIAGE	RD	JOPLIN	T-1607-B1-P	40	17.4	36.9
9812	FOLIAGE	RD	JOPLIN	T-1607-B2-P	37	20.4	46.6
9812	FOLIAGE	RD	JOPLIN	T-1607-F1-P	33	20.8	40.9
9812	FOLIAGE	RD	JOPLIN	T-1607-F2-P	41	30.1	104
9812	FOLIAGE	RD	JOPLIN	T-1607-DZ-P	29	30.5	90.5
8850	FOXRIDGE	LN	JOPLIN	E-6281-B2-P	60	45.8	67
8850	FOXRIDGE	LN	JOPLIN	E-6281-B1-P	69	56.1	87.1
8850	FOXRIDGE	LN	JOPLIN	E-6281-F1-P	52	57.4	76
8850	FOXRIDGE	LN	JOPLIN	E-6281-F2-P	61	110	153
8850	FOXRIDGE	LN	JOPLIN	E-6281-DZ-P	79	119	244
103	FRONT	ST	STARK CITY	K-0807-B1-P	61	50.2	763
103	FRONT	ST	STARK CITY	K-0807-B2-P	63	56.2	894
103	FRONT	ST	STARK CITY	K-0807-DZ-P	50	98.4	430
20198	GATEWAY	DR	NEOSHO	T-1605-F1-P	29	30.7	70.3
20198	GATEWAY	DR	NEOSHO	T-1605-B1-P	35	35	51.9
20198	GATEWAY	DR	NEOSHO	T-1605-B2-P	43	49.1	267
20198	GATEWAY	DR	NEOSHO	T-1605-F2-P	37	60.9	286
20198	GATEWAY	DR	NEOSHO	T-1605-F2-CP	2.1	91	507
20198	GATEWAY	DR	NEOSHO	T-1605-DZ-P	46	1190	234
5285	GATEWAY	DR	JOPLIN	E-6627-B2-P	NT	148	858
5285	GATEWAY	DR	JOPLIN	E-6627-B1-P	NT	215	974
5285	GATEWAY	DR	JOPLIN	E-6627-F2-P	NT	233	1050
5285	GATEWAY	DR	JOPLIN	E-6627-F1-P	NT	248	935
5285	GATEWAY	DR	JOPLIN	E-6627-DZ-P	NT	298	1220
5777	GATEWAY	DR	JOPLIN	E-5078-B1-P	54	57.1	473
5777	GATEWAY	DR	JOPLIN	E-5078-B2-P	42	69.6	385
5777	GATEWAY	DR	JOPLIN	E-5078-F1-P	58	268	2190
5777	GATEWAY	DR	JOPLIN	E-5078-F2-P	40	273	1660
5777	GATEWAY	DR	JOPLIN	E-5078-DZ-P	65	604	6420
5804	GATEWAY	DR	JOPLIN	E-5079-B2-P	45	58.6	126
5804	GATEWAY	DR	JOPLIN	E-5079-B1-P	50	96.3	722
5804	GATEWAY	DR	JOPLIN	E-5079-F1-P	52	226	1960
5804	GATEWAY	DR	JOPLIN	E-5079-DZ-P	63	238	1760
5804	GATEWAY	DR	JOPLIN	E-5079-F2-P	55	240	2330
6173	GATEWAY	DR	JOPLIN	E-5087-B1-P	57	43.1	127
6173	GATEWAY	DR	JOPLIN	E-5087-B2-P	59	49.7	182
6173	GATEWAY	DR	JOPLIN	E-5087-F2-P	52	54.5	385
6173	GATEWAY	DR	JOPLIN	E-5087-F1-P	40.2	87.6	236
6173	GATEWAY	DR	JOPLIN	E-5087-DZ-P	61	94.1	268
6284	GLENN	LN	JOPLIN	E-5632-DZ-P	NT	52	73
6284	GLENN	LN	JOPLIN	E-5632-B1-P	NT	54	72
6284	GLENN	LN	JOPLIN	E-5632-F2-P	NT	55	76
6284	GLENN	LN	JOPLIN	E-5632-B2-P	NT	56.85	74.85
6284	GLENN	LN	JOPLIN	E-5632-F1-P	NT	61.6	77
8663	GOLD FINCH	RD	NEOSHO	E-5020-F1-CP	2.2	81.8	413
8663	GOLD FINCH	RD	NEOSHO	E-5020-F1-P	56	89.9	321
8663	GOLD FINCH	RD	NEOSHO	E-5020-B1-P	64	177	756
8663	GOLD FINCH	RD	NEOSHO	E-5020-B2-P	49	190	1010
8663	GOLD FINCH	RD	NEOSHO	E-5020-DZ-P	53	191	809
8663	GOLD FINCH	RD	NEOSHO	E-5020-F2-P	47	226	1510
10269	GOLDFINCH	RD	NEOSHO	E-5052-F1-P	48	40.2	145
10269	GOLDFINCH	RD	NEOSHO	E-5052-F2-P	60	67.3	430
10269	GOLDFINCH	RD	NEOSHO	E-5052-B2-P	58	58	250
10269	GOLDFINCH	RD	NEOSHO	E-5052-DZ-P	47	93.4	394
10269	GOLDFINCH	RD	NEOSHO	E-5052-B1-P	59	109	608
5600	GOLDFINCH	RD	JOPLIN	E-6089-F2-P	56	32.2	126

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5600	GOLDFINCH	RD	JOPLIN	E-6089-B1-P	45	40.8	234
5600	GOLDFINCH	RD	JOPLIN	E-6089-F1-P	38	65	456
5600	GOLDFINCH	RD	JOPLIN	E-6089-B2-P	61	74.2	473
5600	GOLDFINCH	RD	JOPLIN	E-6089-DZ-P	60	338	2650
5627	GOLDFINCH	RD	JOPLIN	E-5627-B2-P	51	37.7	197
5627	GOLDFINCH	RD	JOPLIN	E-5627-F2-P	50	38	183
5627	GOLDFINCH	RD	JOPLIN	E-5627-DZ-P	62	67.8	254
5627	GOLDFINCH	RD	JOPLIN	E-5627-F1-P	52	73.9	193
5915	GOLDFINCH	RD	JOPLIN	E-6087-F2-P	69	26.8	139
5915	GOLDFINCH	RD	JOPLIN	E-6087-F1-P	59	27.2	76
5915	GOLDFINCH	RD	JOPLIN	E-6087-DZ-P	51	33.7	77.4
5915	GOLDFINCH	RD	JOPLIN	E-6087-B1-P	60	54.5	141
5915	GOLDFINCH	RD	JOPLIN	E-6087-B2-P	66	99.2	473
8214	GOLDFINCH	RD	NEOSHO	E-5922-B1-CP	ND	41.5	75.9
8214	GOLDFINCH	RD	NEOSHO	E-5922-F2-P	NT	45	1150
8214	GOLDFINCH	RD	NEOSHO	E-5922-F1-P	NT	48.2	91.6
8214	GOLDFINCH	RD	NEOSHO	E-5922-B1-P	NT	49.4	59
8214	GOLDFINCH	RD	NEOSHO	E-5922-DZ-P	NT	78.2	75
8214	GOLDFINCH	RD	NEOSHO	E-5922-B2-P	NT	81.9	81.5
8244	GOLDFINCH	RD	NEOSHO	T-1602-B2-P	36	26.3	36.2
8244	GOLDFINCH	RD	NEOSHO	T-1602-DZ-P	32	26.3	40
8244	GOLDFINCH	RD	NEOSHO	T-1602-B1-P	27	35.1	74
8244	GOLDFINCH	RD	NEOSHO	T-1602-F2-P	49	44.7	98.1
8244	GOLDFINCH	RD	NEOSHO	T-1602-F1-P	42	71.1	172
8244	GOLDFINCH	RD	NEOSHO	T-1602-F1-CP	ND	85.6	240
8399	GOLDFINCH	RD	NEOSHO	E-5719-DZ-P	53	20	88.4
8399	GOLDFINCH	RD	NEOSHO	E-6543-DZ-P	49	20.8	87.3
8399	GOLDFINCH	RD	NEOSHO	E-5719-FY-P	50	22.7	44
8399	GOLDFINCH	RD	NEOSHO	E-5719-BY-P	46	24.5	68.5
8399	GOLDFINCH	RD	NEOSHO	E-6543-FY-P	65	40.8	126
8399	GOLDFINCH	RD	NEOSHO	E-6543-BY-P	54	51.8	48.2
8399	GOLDFINCH	RD	NEOSHO	E-6544-BY-P	50	109	599
8399	GOLDFINCH	RD	NEOSHO	E-6544-FY-P	51	111	1420
8399	GOLDFINCH	RD	NEOSHO	E-6544-DZ-P	56	201	672
8449	GOLDFINCH	RD	NEOSHO	T-0694-F1-P	68	31.5	199
8449	GOLDFINCH	RD	NEOSHO	T-0694-F2-P	64	40.3	106
8449	GOLDFINCH	RD	NEOSHO	T-0694-DZ-P	62	50	273
8449	GOLDFINCH	RD	NEOSHO	T-0694-B1-P	60	63.5	65
8449	GOLDFINCH	RD	NEOSHO	T-0694-B2-P	68	112	962
9221	GOLDFINCH	RD	NEOSHO	T-0625-F1-P	25	126	334
9221	GOLDFINCH	RD	NEOSHO	T-0625-F2-P	35	158	450
9221	GOLDFINCH	RD	NEOSHO	T-0625-DZ-P	35	177	170
9221	GOLDFINCH	RD	NEOSHO	T-0625-B2-P	27	204	336
9221	GOLDFINCH	RD	NEOSHO	T-0625-B1-P	37	223	150
9283	GOLDFINCH	RD	NEOSHO	T-0626-B2-P	39	66	151
9283	GOLDFINCH	RD	NEOSHO	T-0626-F2-P	39	74.2	187
9283	GOLDFINCH	RD	NEOSHO	T-0626-B1-P	27	154	292
9283	GOLDFINCH	RD	NEOSHO	T-0626-DZ-P	33	194	2470
9283	GOLDFINCH	RD	NEOSHO	T-0626-F1-P	34	670	1280
9283	GOLDFINCH	RD	NEOSHO	T-0626-F1-C1	3.5	745	1120
9283	GOLDFINCH	RD	NEOSHO	T-0626-F1-C2	3.9	867	1310
9438	GOLDFINCH	RD	NEOSHO	T-0663-B2-P	35.1	39.9	77.4
9438	GOLDFINCH	RD	NEOSHO	T-0663-DZ-P	39.45	57.7	137.9
9438	GOLDFINCH	RD	NEOSHO	T-0663-F2-P	37.2	75.6	71.8
9438	GOLDFINCH	RD	NEOSHO	T-0663-F1-P	27.6	86	120.5
9438	GOLDFINCH	RD	NEOSHO	T-0663-B1-P	36.75	108.4	192.1
9449	GOLDFINCH	RD	NEOSHO	T-0665-F1-P	43	105	294
9449	GOLDFINCH	RD	NEOSHO	T-0665-B1-P	40	133	170

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
9449	GOLDFINCH	RD	NEOSHO	T-0665-DZ-P	39	154	689
9449	GOLDFINCH	RD	NEOSHO	T-0665-B2-P	32	216	1040
9449	GOLDFINCH	RD	NEOSHO	T-0665-F2-P	43	251	4050
7433	GREENBRIER	DR	NEOSHO	E-6044-B1-P	NT	166	2060
7433	GREENBRIER	DR	NEOSHO	E-6044-F2-P	NT	190	3170
7433	GREENBRIER	DR	NEOSHO	E-6044-B2-P	NT	657	2340
7433	GREENBRIER	DR	NEOSHO	E-6044-F1-P	NT	2000	5430
7433	GREENBRIER	DR	NEOSHO	E-6044-DZ-P	NT	9050	4430
4183	GREENWOOD	DR.	JOPLIN	E-6809-B2-P	196	62.7	148
4183	GREENWOOD	DR.	JOPLIN	E-6809-B1-P	120	88.9	262
4183	GREENWOOD	DR.	JOPLIN	E-6809-F1-P	100	92.3	724
4183	GREENWOOD	DR.	JOPLIN	E-6809-F2-P	251	141	1770
4183	GREENWOOD	DR.	JOPLIN	E-6809-DZ-P	362	200	831
4219	GREENWOOD	DR.	JOPLIN	E-6812-B2-P	150	52.9	211
4219	GREENWOOD	DR.	JOPLIN	E-6812-F1-P	310	88.3	484
4219	GREENWOOD	DR.	JOPLIN	E-6812-DZ-P	140	83.2	406
4219	GREENWOOD	DR.	JOPLIN	E-6812-F2-P	346	242	1320
4219	GREENWOOD	DR.	JOPLIN	E-6812-B1-P	160	756	4490
4230	GREENWOOD	DR.	JOPLIN	E-6996-B1-P	194	89	588
4230	GREENWOOD	DR.	JOPLIN	E-6996-F2-P	333	99.6	419
4230	GREENWOOD	DR.	JOPLIN	E-6996-DZ-P	151	141	944
4230	GREENWOOD	DR.	JOPLIN	E-6996-B2-P	120	174	788
4230	GREENWOOD	DR.	JOPLIN	E-6996-F1-P	130	265	890
4276	GREENWOOD	DR	JOPLIN	J-4034-F1-P	NT	62.7	462
4276	GREENWOOD	DR	JOPLIN	J-4034-B2-P	NT	74.3	457
4276	GREENWOOD	DR	JOPLIN	J-4034-F2-P	NT	82.2	581
4276	GREENWOOD	DR	JOPLIN	J-4034-DZ-P	NT	90	299
4276	GREENWOOD	DR	JOPLIN	J-4034-B1-P	NT	118	581
4279	GREENWOOD	DR.	JOPLIN	E-6817-B1-P	90	36.1	71.1
4279	GREENWOOD	DR.	JOPLIN	E-6817-B2-P	61	48.4	183
4279	GREENWOOD	DR.	JOPLIN	E-6817-F2-P	60	82.3	494
4279	GREENWOOD	DR.	JOPLIN	E-6817-DZ-P	67	110	749
4279	GREENWOOD	DR.	JOPLIN	E-6817-F1-P	73	146	354
4366	GREENWOOD	DR.	JOPLIN	E-6830-DZ-P	175	48	163
4366	GREENWOOD	DR.	JOPLIN	E-6830-B2-P	140	50.4	145
4366	GREENWOOD	DR.	JOPLIN	E-6830-F1-P	130	72.8	218
4366	GREENWOOD	DR.	JOPLIN	E-6830-B1-P	291	153	510
4366	GREENWOOD	DR.	JOPLIN	E-6830-F2-P	140	246	682
20047	GREGOR	LN.	GRANBY	G-4127-DZ-P	47	23.5	848
20047	GREGOR	LN.	GRANBY	G-4127-F1-P	51	28.8	338
20137	GREGOR	LN	GRANBY	G-4009-F2-CP	ND	35.3	184
20137	GREGOR	LN	GRANBY	G-4009-F2-P	60	36.8	193
20137	GREGOR	LN	GRANBY	G-4009-B1-P	44	36.9	688
20137	GREGOR	LN	GRANBY	G-4009-F1-P	60	40.4	257
20137	GREGOR	LN	GRANBY	G-4009-B2-P	50	41.1	854
20137	GREGOR	LN	GRANBY	G-4009-DZ-P	64	50.1	745
10140	GUM	RD	NEOSHO	E-6385-F1-P	100	60.5	484
10140	GUM	RD	NEOSHO	E-6385-F2-P	35	77.8	320
10140	GUM	RD	NEOSHO	E-6385-B1-P	68	105	647
10140	GUM	RD	NEOSHO	E-6385-B2-P	70	142	224
10140	GUM	RD	NEOSHO	E-6385-DZ-P	63	311	934
10267	GUM	RD	NEOSHO	E-6386-B2-P	51	23.7	65.8
10267	GUM	RD	NEOSHO	E-6386-B1-P	43	41.5	108
10267	GUM	RD	NEOSHO	E-6386-F1-P	58	45	69.8
10267	GUM	RD	NEOSHO	E-6386-F2-P	75	105	386
10267	GUM	RD	NEOSHO	E-6386-DZ-P	60	117	462
10269	GUM	RD	NEOSHO	E-6384-F1-P	69	54.2	282
10269	GUM	RD	NEOSHO	E-6384-DZ-P	61	61.7	285

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
10269	GUM	RD	NEOSHO	E-6384-B1-P	63	62.1	365
10269	GUM	RD	NEOSHO	E-6384-B2-P	32	62.7	292
10269	GUM	RD	NEOSHO	E-6384-F2-P	66	148	759
10360	GUM	RD	NEOSHO	E-6382-F2-P	55	27.8	148
10360	GUM	RD	NEOSHO	E-6382-DZ-P	63	44	61
10360	GUM	RD	NEOSHO	E-6382-B2-P	73	52.5	76.5
10360	GUM	RD	NEOSHO	E-6382-F1-P	75	53.9	248
10360	GUM	RD	NEOSHO	E-6382-B1-P	55	59	59
20480	GUM	RD	GRANBY	D-0760-S1-P	96	70	44.6
20480	GUM	RD	GRANBY	D-0760-S2-P	98	70.7	69.9
5312	GUM	RD	JOPLIN	E-6381-B1-P	58	32.1	201
5312	GUM	RD	JOPLIN	E-6381-F1-P	57	39.6	115
5312	GUM	RD	JOPLIN	E-6381-B2-P	44	55.3	277
5312	GUM	RD	JOPLIN	E-6381-DZ-P	53	73	538
5312	GUM	RD	JOPLIN	E-6381-F2-P	63	76.6	693
9705	GUM	RD	JOPLIN	E-6383-F2-P	51	26.9	96.1
9705	GUM	RD	JOPLIN	E-6383-B2-P	73	31.2	159
9705	GUM	RD	JOPLIN	E-6383-B1-P	77	32.5	106
9705	GUM	RD	JOPLIN	E-6383-F1-P	80	33.7	183
9705	GUM	RD	JOPLIN	E-6383-DZ-P	67	44.9	134
1871	HARBOR	LN	JOPLIN	E-5371-B1-P	596	163	690
1871	HARBOR	LN	JOPLIN	E-5371-DZ-P	130	375	2860
1871	HARBOR	LN	JOPLIN	E-5371-B2-P	316	379	332
1871	HARBOR	LN	JOPLIN	E-5371-F1-P	300	486	4450
1871	HARBOR	LN	JOPLIN	E-5371-F2-P	212	1320	37.1
7256	HASKILL	LN	JOPLIN	E-6542-DZ-P	57	33	132
7256	HASKILL	LN	JOPLIN	E-6542-F2-P	43	38.4	111
7256	HASKILL	LN	JOPLIN	E-6542-B1-P	66	47.7	251
7256	HASKILL	LN	JOPLIN	E-6542-B2-P	46	49	106
7256	HASKILL	LN	JOPLIN	E-6542-F1-P	27	59	224
7304	HASKILL	LN	JOPLIN	R-6535-F1-P	56	33.3	125
7304	HASKILL	LN	JOPLIN	R-6535-F2-P	263	52.6	263
7304	HASKILL	LN	JOPLIN	R-6535-DZ-P	20	64.1	430
7304	HASKILL	LN	JOPLIN	R-6535-B1-P	47	69.7	329
7304	HASKILL	LN	JOPLIN	R-6535-B2-P	64	85.3	337
3403	HAWTHORNE	DR	JOPLIN	J-0499-DZ-P	55	70.9	231
3403	HAWTHORNE	DR	JOPLIN	J-0499-F2-P	66	90.7	417
3403	HAWTHORNE	DR	JOPLIN	J-0499-B2-P	48	97.6	325
3403	HAWTHORNE	DR	JOPLIN	J-0499-B1-P	62	97.9	402
3403	HAWTHORNE	DR	JOPLIN	J-0499-F1-P	51	104	326
3603	HAWTHORNE	DR	JOPLIN	J-1400-B2-P	51	68.2	184
3603	HAWTHORNE	DR	JOPLIN	J-1400-B1-P	63	73.7	250
3603	HAWTHORNE	DR	JOPLIN	J-1400-DZ-P	67	78.6	188
3603	HAWTHORNE	DR	JOPLIN	J-1400-F1-P	77	80.8	144
3603	HAWTHORNE	DR	JOPLIN	J-1400-F2-P	54	90	194
3604	HAWTHORNE	DR	JOPLIN	J-1401-B2-P	78	41.3	147
3604	HAWTHORNE	DR	JOPLIN	J-1401-DZ-P	47	43.5	257
3604	HAWTHORNE	DR	JOPLIN	J-1401-F1-P	37	63.2	263
3604	HAWTHORNE	DR	JOPLIN	J-1401-F2-P	60	64.9	174
3604	HAWTHORNE	DR	JOPLIN	J-1401-B1-P	54	102	484
3610	HAWTHORNE	DR	JOPLIN	J-1402-DZ-P	58	58.2	499
3610	HAWTHORNE	DR	JOPLIN	J-1402-F1-P	47	75	346
3610	HAWTHORNE	DR	JOPLIN	J-1402-F2-P	63	76.2	376
3610	HAWTHORNE	DR	JOPLIN	J-1402-B2-P	59	94	482
3610	HAWTHORNE	DR	JOPLIN	J-1402-B1-P	56	98.9	434
3702	HAWTHORNE	DR	JOPLIN	J-1403-B2-P	74	78.1	297
3702	HAWTHORNE	DR	JOPLIN	J-1403-DZ-P	63	159	1190
3702	HAWTHORNE	DR	JOPLIN	J-1403-F1-P	58	211	737

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
3702		HAWTHORNE	DR	JOPLIN	J-1403-F2-P	88	240	1080
3702		HAWTHORNE	DR	JOPLIN	J-1403-B1-P	66	615	2250
3717		HAWTHORNE	DR	JOPLIN	J-1404-B2-P	66	84.9	308
3717		HAWTHORNE	DR	JOPLIN	J-1404-B1-P	63	92.6	524
3717		HAWTHORNE	DR	JOPLIN	J-1404-DZ-P	52	162	468
3717		HAWTHORNE	DR	JOPLIN	J-1404-F2-P	73	172	358
3717		HAWTHORNE	DR	JOPLIN	J-1404-F1-P	54	183	1040
3731		HAWTHORNE	DR	JOPLIN	J-1405-DZ-P	52	59.5	281
3731		HAWTHORNE	DR	JOPLIN	J-1405-F1-P	73	59.6	168
3731		HAWTHORNE	DR	JOPLIN	J-1405-F2-P	50	76.6	148
3731		HAWTHORNE	DR	JOPLIN	J-1405-B2-P	50	89.6	154
3731		HAWTHORNE	DR	JOPLIN	J-1405-B1-P	53	95.3	159
1851		HEBRON	RD.	GRANBY	G-4140-DZ-P	54	44	194
1851		HEBRON	RD.	GRANBY	G-4140-B1-P	49	56.5	245
1851		HEBRON	RD.	GRANBY	G-4140-F1-P	48	70.5	570
11063		HELENBEN	RD	JOPLIN	E-6094-B1-CP	ND	88	483
11063		HELENBEN	RD	JOPLIN	E-6094-B2-P	55	89.5	531
11063		HELENBEN	RD	JOPLIN	E-6094-B1-P	56	92.3	448
11063		HELENBEN	RD	JOPLIN	E-6094-F1-P	65	95.3	489
11063		HELENBEN	RD	JOPLIN	E-6094-DZ-P	49	102	826
11063		HELENBEN	RD	JOPLIN	E-6094-F2-P	58	124	608
4414		HICKORY	LN	JOPLIN	J-1406-F1-P	57	155	1170
4414		HICKORY	LN	JOPLIN	J-1406-B1-P	59	174	467
4414		HICKORY	LN	JOPLIN	J-1406-F2-P	50	179	316
4414		HICKORY	LN	JOPLIN	J-1406-B2-P	47	206	342
4414		HICKORY	LN	JOPLIN	J-1406-DZ-P	46	258	412
4415		HICKORY	LN	JOPLIN	J-1407-B1-P	54	63.2	177
4415		HICKORY	LN	JOPLIN	J-1407-B2-P	44	63.8	688
4415		HICKORY	LN	JOPLIN	J-1407-F2-P	57	69.8	150
4415		HICKORY	LN	JOPLIN	J-1407-F1-P	50	74.6	362
4415		HICKORY	LN	JOPLIN	J-1407-DZ-P	60	78.4	388
4511		HICKORY	LN	JOPLIN	J-1408-F1-P	64	35.5	73.1
4511		HICKORY	LN	JOPLIN	J-1408-F2-P	37	43.8	141
4511		HICKORY	LN	JOPLIN	J-1408-B2-P	66	46.9	75.7
4511		HICKORY	LN	JOPLIN	J-1408-DZ-P	65	57.9	213
4511		HICKORY	LN	JOPLIN	J-1408-B1-P	77	173	1260
4614		HICKORY	LN	JOPLIN	J-1411-B2-P	59	47.4	206
4614		HICKORY	LN	JOPLIN	J-1411-B1-P	52	49.6	255
4614		HICKORY	LN	JOPLIN	J-1411-F1-P	68	69.1	395
4614		HICKORY	LN	JOPLIN	J-1411-F2-P	79	70.1	1000
4614		HICKORY	LN	JOPLIN	J-1411-DZ-P	71	107	586
4624		HICKORY	LN	JOPLIN	J-1412-DZ-P	47	23	152
4624		HICKORY	LN	JOPLIN	J-1412-B2-P	59	25.2	65.9
4624		HICKORY	LN	JOPLIN	J-1412-F1-P	57	30.5	67.2
4624		HICKORY	LN	JOPLIN	J-1412-B1-P	52	35.2	90.6
4624		HICKORY	LN	JOPLIN	J-1412-F2-P	52	43.9	71.3
6434		HICKORY	LN	JOPLIN	J-1413-B2-P	43	47.4	211
6434		HICKORY	LN	JOPLIN	J-1413-B2-CP	1.3	49.7	179
6434		HICKORY	LN	JOPLIN	J-1413-B1-P	51	55.8	334
6434		HICKORY	LN	JOPLIN	J-1413-F2-P	45	80.5	329
6434		HICKORY	LN	JOPLIN	J-1413-F1-P	52	84.8	310
6434		HICKORY	LN	JOPLIN	J-1413-DZ-P	56	87.1	427
10250	W.	HIGHWAY 86		SENECA	E-7076-B1-P	NT	50	130.3
10250	W.	HIGHWAY 86		SENECA	E-7076-F1-P	NT	64.8	108
10250	W.	HIGHWAY 86		SENECA	E-7076-F2-P	NT	72.5	148
10250	W.	HIGHWAY 86		SENECA	E-7076-B2-P	NT	77.6	178
10250	W.	HIGHWAY 86		SENECA	E-7076-DZ-P	NT	220	295
10917	W.	HIGHWAY 86		SENECA	E-7261-DZ-P	NT	44	98.5

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
10917	W.	HIGHWAY 86	SENECA	E-7261-B1-P	NT	74.7	13
10917	W.	HIGHWAY 86	SENECA	E-7261-B2-P	NT	79	71.3
10917	W.	HIGHWAY 86	SENECA	E-7261-F2-P	NT	81.6	293
10917	W.	HIGHWAY 86	SENECA	E-7261-F1-P	NT	101	545
11943	W	HIGHWAY 86	RACINE	N-4042-F2-P	41	61.5	286
11943	W	HIGHWAY 86	RACINE	N-4042-B1-P	54	85.4	182
11943	W	HIGHWAY 86	RACINE	N-4042-DZ-P	63	85.5	354
11943	W	HIGHWAY 86	RACINE	N-4042-F1-P	66	104	249
11943	W	HIGHWAY 86	RACINE	N-4042-B2-P	57	115	383
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-B2-P	70	23	71.9
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-F2-P	54	23	224
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-B1-P	71	47.8	14
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-F1-P	64	69.6	342
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-F1-CP	ND	74.5	401
18810	EAST	HIGHWAY 86	NEOSHO	N-4001-DZ-P	58	122	489
1903	E	HIGHWAY 86	NEOSHO	E-3015-F2-P	62	24	75.5
1903	E	HIGHWAY 86	NEOSHO	E-3015-B2-P	71	29	87.6
1903	E	HIGHWAY 86	NEOSHO	E-3015-F1-P	55	30.1	66.8
1903	E	HIGHWAY 86	NEOSHO	E-3015-B1-P	66	43.8	109
5724	WEST	HIGHWAY 86	JOPLIN	E-5168-B2-P	63	96.7	537
5724	WEST	HIGHWAY 86	JOPLIN	E-5168-B1-P	49	162	1030
5724	WEST	HIGHWAY 86	JOPLIN	E-5168-F1-P	70	167	982
5724	WEST	HIGHWAY 86	JOPLIN	E-5168-F2-P	60	221	1580
5724	WEST	HIGHWAY 86	JOPLIN	E-5168-DZ-P	63	242	1440
6789	W	HIGHWAY 86	JOPLIN	J-4079-B1-P	NT	38	50
6789	W	HIGHWAY 86	JOPLIN	J-4079-DZ-P	NT	38	105
6789	W	HIGHWAY 86	JOPLIN	J-4079-F2-P	NT	47.4	62.8
6789	W	HIGHWAY 86	JOPLIN	J-4079-B2-P	NT	54	78.9
6789	W	HIGHWAY 86	JOPLIN	J-4079-F1-P	NT	66.3	73
9092	EAST	HIGHWAY 86	NEOSHO	E-6141-F1-P	42	26.1	131
9092	EAST	HIGHWAY 86	NEOSHO	E-6141-B2-P	57	44.6	101
9092	EAST	HIGHWAY 86	NEOSHO	E-6141-F2-P	60	58.2	975
9092	EAST	HIGHWAY 86	NEOSHO	E-6141-DZ-P	44	178	1550
9926	W	HIGHWAY 86	NEOSHO	E-6579-F2-P	NT	44.9	155
9926	W	HIGHWAY 86	NEOSHO	E-6579-B1-P	NT	47	144
9926	W	HIGHWAY 86	NEOSHO	E-6579-F1-P	NT	49	66
9926	W	HIGHWAY 86	NEOSHO	E-6579-B2-P	NT	51	99.7
9926	W	HIGHWAY 86	NEOSHO	E-6579-DZ-P	NT	55	75
10708		HIGHWAY AA	NEOSHO	N-4137-F1-P	107	37.5	214
10708		HIGHWAY AA	NEOSHO	N-4137-B2-P	244	42.5	155
10708		HIGHWAY AA	NEOSHO	N-4137-DZ-P	250	47	190
10708		HIGHWAY AA	NEOSHO	N-4137-F2-P	120	51.1	139
10708		HIGHWAY AA	NEOSHO	N-4137-B1-P	109	79	301
9246		HIGHWAY AA	NEOSHO	N-4025-DZ-P	63	32.9	126
9246		HIGHWAY AA	NEOSHO	N-4025-F2-P	64	40	77.2
9246		HIGHWAY AA	NEOSHO	N-4025-F1-P	79	49.2	107
9592		HIGHWAY AA	NEOSHO	N-4129-B1-P	265	34.5	200
9592		HIGHWAY AA	NEOSHO	N-4129-F1-P	254	46.8	224
9592		HIGHWAY AA	NEOSHO	N-4129-B2-P	280	49.1	165
9592		HIGHWAY AA	NEOSHO	N-4129-F2-P	179	58.1	398
9592		HIGHWAY AA	NEOSHO	N-4129-DZ-P	226	88	636
9648		HIGHWAY AA	NEOSHO	N-4130-DZ-P	144	24.5	121
9648		HIGHWAY AA	NEOSHO	N-4130-F1-P	133	39	140
9648		HIGHWAY AA	NEOSHO	N-4130-F2-P	100	43.5	227
9648		HIGHWAY AA	NEOSHO	N-4130-B1-P	120	52.1	129
5794		HIGHWAY BB	SENECA	E-6581-F1-P	NT	43.1	50
5794		HIGHWAY BB	SENECA	E-6581-F2-P	NT	55.3	64
5794		HIGHWAY BB	SENECA	E-6581-B2-P	NT	56	73

Residential Soil Sampling
Newton County Mine Tailings Site

Address		City	Sample Number	Cadmium	Lead	Zinc
5794	HIGHWAY BB	SENECA	E-6581-DZ-P	NT	56	75
5794	HIGHWAY BB	SENECA	E-6581-B1-P	NT	67.6	76
6011	HIGHWAY C	JOPLIN	E-5959-B2-P	80	36.2	53.3
6011	HIGHWAY C	JOPLIN	E-5959-F1-P	54	44.7	294
6011	HIGHWAY C	JOPLIN	E-5959-DZ-P	65	46.9	99.2
6011	HIGHWAY C	JOPLIN	E-5959-F2-P	52	49	175
6011	HIGHWAY C	JOPLIN	E-5959-B1-P	47	408	1020
11457	HIGHWAY FF	JOPLIN	E-6433-B2-P	NT	54	184
11457	HIGHWAY FF	JOPLIN	E-6433-B1-P	NT	57.6	229
11457	HIGHWAY FF	JOPLIN	E-6433-DZ-P	NT	98.3	567
11457	HIGHWAY FF	JOPLIN	E-6433-F1-P	NT	101	649
11457	HIGHWAY FF	JOPLIN	E-6433-F2-P	NT	102	1380
11471	HIGHWAY FF	JOPLIN	E-6434-F2-P	NT	43	215
11471	HIGHWAY FF	JOPLIN	E-6434-B2-P	NT	52	172
11471	HIGHWAY FF	JOPLIN	E-6434-B1-P	NT	55.7	232
11471	HIGHWAY FF	JOPLIN	E-6434-DZ-P	NT	74.4	630
11471	HIGHWAY FF	JOPLIN	E-6434-F1-P	NT	97.5	371
19854	HIGHWAY J	DIAMOND	D-4067-B1-P	74	29	76
19854	HIGHWAY J	DIAMOND	D-4067-DZ-P	87	29	115
19854	HIGHWAY J	DIAMOND	D-4067-B2-P	51	31.7	61.6
19854	HIGHWAY J	DIAMOND	D-4067-F2-P	59	43.6	620
19854	HIGHWAY J	DIAMOND	D-4067-F1-P	56	48.4	109
4040	HIGHWAY NN	JOPLIN	J-4148-F1-P	40	35.9	118
4040	HIGHWAY NN	JOPLIN	J-4148-F2-P	56	36.7	52
4040	HIGHWAY NN	JOPLIN	J-4148-DZ-P	46	50.3	326
4074	HIGHWAY NN	JOPLIN	J-4151-B1-P	NT	173	2420
4074	HIGHWAY NN	JOPLIN	J-4151-F1-P	NT	182	1300
4074	HIGHWAY NN	JOPLIN	J-4151-F1-CP	11.5	221	3330
4074	HIGHWAY NN	JOPLIN	J-4151-B2-P	NT	234	2310
4074	HIGHWAY NN	JOPLIN	J-4151-F2-P	NT	566	2900
4074	HIGHWAY NN	JOPLIN	J-4151-DZ-P	NT	708	3560
4412	HIGHWAY NN	JOPLIN	J-4154-B1-P	46	57.8	373
4412	HIGHWAY NN	JOPLIN	J-4154-DZ-P	55	64	400
4412	HIGHWAY NN	JOPLIN	J-4154-F1-P	56	68	363
4412	HIGHWAY NN	JOPLIN	J-4154-B2-P	54	148	821
4412	HIGHWAY NN	JOPLIN	J-4154-F2-P	62	158	984
4618	HIGHWAY NN	JOPLIN	E-6367-F1-P	70	74.8	817
4618	HIGHWAY NN	JOPLIN	E-6353-B1-P	63	84.4	554
4618	HIGHWAY NN	JOPLIN	E-6359-F1-P	71	89.3	1200
4618	HIGHWAY NN	JOPLIN	E-6367-B1-P	78	118	1330
4618	HIGHWAY NN	JOPLIN	E-6351-F1-P	71	168	670
4618	HIGHWAY NN	JOPLIN	E-6371-F1-P	62	170	1690
4618	HIGHWAY NN	JOPLIN	E-6376-B1-P	80	170	3810
4618	HIGHWAY NN	JOPLIN	E-6365-F1-P	71	182	1210
4618	HIGHWAY NN	JOPLIN	E-6365-B1-P	47	187	1050
4618	HIGHWAY NN	JOPLIN	E-6371-B1-P	66	191	1340
4618	HIGHWAY NN	JOPLIN	E-6373-B1-P	55	195	1800
4618	HIGHWAY NN	JOPLIN	E-6376-F1-P	94	217	3600
4618	HIGHWAY NN	JOPLIN	E-6378-F1-P	63	218	2840
4618	HIGHWAY NN	JOPLIN	E-6369-F1-P	64	248	1810
4618	HIGHWAY NN	JOPLIN	E-6361-B1-P	80	271	2850
4618	HIGHWAY NN	JOPLIN	E-6349-B1-P	60	313	1530
4618	HIGHWAY NN	JOPLIN	E-6378-B1-P	73	326	2920
4618	HIGHWAY NN	JOPLIN	E-6361-F1-P	65	355	4140
4618	HIGHWAY NN	JOPLIN	E-6353-F1-P	81	356	2040
4618	HIGHWAY NN	JOPLIN	E-6359-B1-P	52	387	2390
4618	HIGHWAY NN	JOPLIN	E-6355-B1-P	58	416	1900
4618	HIGHWAY NN	JOPLIN	E-6373-F1-P	66	430	2750

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4618	HIGHWAY NN		JOPLIN	E-6357-F1-P	65	443	2280
4618	HIGHWAY NN		JOPLIN	E-6349-B1-P	64	480	2940
4618	HIGHWAY NN		JOPLIN	E-6355-F1-P	80	519	2280
4618	HIGHWAY NN		JOPLIN	E-6353-B1-P	54	536	1700
4618	HIGHWAY NN		JOPLIN	E-6353-F1-P	75	555	2390
4618	HIGHWAY NN		JOPLIN	E-6357-B1-P	51	564	2910
4618	HIGHWAY NN		JOPLIN	E-6349-F1-P	54	698	2720
4618	HIGHWAY NN		JOPLIN	E-6351-B1-P	76	918	3030
5857	HIGHWAY NN		JOPLIN	E-6758-F1-P	319	201	920
5857	HIGHWAY NN		JOPLIN	E-6758-B1-P	216	208	531
5857	HIGHWAY NN		JOPLIN	E-6758-DZ-P	120	303	1240
5857	HIGHWAY NN		JOPLIN	E-6758-B2-P	184	318	910
5857	HIGHWAY NN		JOPLIN	E-6758-F2-P	130	902	1270
6812	HIGHWAY NN		JOPLIN	E-5661-F1-P	43	81.3	206
6812	HIGHWAY NN		JOPLIN	E-5661-B1-P	72	97.8	478
6812	HIGHWAY NN		JOPLIN	E-5661-F2-P	54	164	734
6812	HIGHWAY NN		JOPLIN	E-5661-DZ-P	54	252	1320
6812	HIGHWAY NN		JOPLIN	E-5661-B2-P	58	333	1580
7644	HIGHWAY NN		JOPLIN	E-6218-B2-P	NT	44.7	192
7644	HIGHWAY NN		JOPLIN	E-6218-F1-P	NT	57.7	398
7644	HIGHWAY NN		JOPLIN	E-6218-F2-P	NT	89.6	405
7644	HIGHWAY NN		JOPLIN	E-6218-DZ-P	NT	93.9	404
7644	HIGHWAY NN		JOPLIN	E-6218-B1-P	NT	180	963
8756	HIGHWAY NN		NEOSHO	E-5727-F1-P	49	34.7	388
8756	HIGHWAY NN		NEOSHO	E-5727-DZ-P	42	34.9	167
8756	HIGHWAY NN		NEOSHO	E-5727-F2-P	43	43.1	185
8756	HIGHWAY NN		NEOSHO	E-5727-B1-P	43	53.1	141
8756	HIGHWAY NN		NEOSHO	E-5727-B2-P	40	53.2	161
8795	HIGHWAY NN		NEOSHO	E-5729-B2-P	51	25.2	44
8795	HIGHWAY NN		NEOSHO	E-5729-B1-P	46	25.6	64
8795	HIGHWAY NN		NEOSHO	E-5729-F1-P	45	33.5	48
8795	HIGHWAY NN		NEOSHO	E-5729-F2-P	42	34.8	46
8795	HIGHWAY NN		NEOSHO	E-5729-DZ-P	48	43.4	62.8
7661	HIGHWAY P		NEOSHO	E-6540-B2-P	NT	70.8	295
7661	HIGHWAY P		NEOSHO	E-6540-F1-P	NT	75	225
7661	HIGHWAY P		NEOSHO	E-6540-DZ-P	NT	95.5	313
7661	HIGHWAY P		NEOSHO	E-6540-B1-P	NT	98.2	267
7661	HIGHWAY P		NEOSHO	E-6540-F2-P	NT	107	439
8688	HIGHWAY P		NEOSHO	E-5933-DZ-P	42	38.1	60
8688	HIGHWAY P		NEOSHO	E-5933-B1-P	60	48.8	100
8688	HIGHWAY P		NEOSHO	E-5933-F1-P	45	49.5	246
8722	HIGHWAY P		NEOSHO	E-5927-B1-P	57	37.5	109
8722	HIGHWAY P		NEOSHO	E-5927-F1-P	51	43.9	225
8722	HIGHWAY P		NEOSHO	E-5927-DZ-P	67	62.7	662
14313	HIGHWAY V		DIAMOND	D-4097-F2-P	NT	50	104
14313	HIGHWAY V		DIAMOND	D-4097-B1-P	NT	72.6	196
14313	HIGHWAY V		DIAMOND	D-4097-F1-P	NT	129	650
14313	HIGHWAY V		DIAMOND	D-4097-B2-P	NT	215	156
14313	HIGHWAY V		DIAMOND	D-4097-DZ-P	NT	301	336
1101	HILL TOP	LN	JOPLIN	J-0351-F1-P	37	43.7	211
1101	HILL TOP	LN	JOPLIN	J-0351-F2-P	37	59.2	303
1101	HILL TOP	LN	JOPLIN	J-0351-B2-P	42	64.4	457
1101	HILL TOP	LN	JOPLIN	J-0351-B1-P	39	78.1	604
1101	HILL TOP	LN	JOPLIN	J-0351-DZ-P	44	102	628
11247	HOLLY	RD	NEOSHO	T-0686-B1-P	40	66.1	109
11247	HOLLY	RD	NEOSHO	T-0686-F1-P	37	115	257
11247	HOLLY	RD	NEOSHO	T-0686-B2-P	49	151	198
11247	HOLLY	RD	NEOSHO	T-0686-DZ-P	30	180	546

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
11247	HOLLY	RD	NEOSHO	T-0686-F2-P	33	190	288
10682	HOLLY	RD	NEOSHO	E-5489-DZ-P	58	39.5	218
10682	HOLLY	RD	NEOSHO	E-5489-B2-P	72	56.4	207
10682	HOLLY	RD	NEOSHO	E-5489-B1-P	50	60.3	169
10682	HOLLY	RD	NEOSHO	E-5489-F2-P	57	77	271
10682	HOLLY	RD	NEOSHO	E-5489-F1-P	59	80.5	177
10785	HOLLY	RD	NEOSHO	E-5492-DZ-P	48	21	50
10785	HOLLY	RD	NEOSHO	E-5492-B2-P	58	31.3	80.3
10785	HOLLY	RD	NEOSHO	E-5492-B1-P	60	36	93.2
10785	HOLLY	RD	NEOSHO	E-5492-F1-P	50	42.6	49
10785	HOLLY	RD	NEOSHO	E-5492-F2-P	54	157	132
10897	HOLLY	RD	NEOSHO	E-5344-F1-P	65	64.9	185
10897	HOLLY	RD	NEOSHO	E-5344-DZ-P	62	72.8	220
10897	HOLLY	RD	NEOSHO	E-5344-B1-P	57	107	559
10897	HOLLY	RD	NEOSHO	E-5344-F2-P	58	109	558
3528	HOLLY	RD	SENECA	E-7333-F2-P	NT	54	100
3528	HOLLY	RD	SENECA	E-7333-B1-P	NT	56	150
3528	HOLLY	RD	SENECA	E-7333-B2-P	NT	57	110
3528	HOLLY	RD	SENECA	E-7333-DZ-P	NT	57	253
3528	HOLLY	RD	SENECA	E-7333-F1-P	NT	67.4	220
6319	HOLLY	RD	NEOSHO	J-0409-B1-P	49	78.5	203
6319	HOLLY	RD	NEOSHO	J-0409-F2-P	45	112	208
6319	HOLLY	RD	NEOSHO	J-0409-F1-P	49	205	370
6319	HOLLY	RD	NEOSHO	J-0409-B2-P	54	252	190
6319	HOLLY	RD	NEOSHO	J-0409-F1-CP	3	252	591
6319	HOLLY	RD	NEOSHO	J-0409-DZ-P	42	273	265
7096	HOLLY	RD	NEOSHO	E-6030-F2-P	NT	149	563
7096	HOLLY	RD	NEOSHO	E-6030-B1-P	NT	239	777
7096	HOLLY	RD	NEOSHO	E-6030-F1-P	NT	278	874
7096	HOLLY	RD	NEOSHO	E-6030-B2-P	NT	284	502
7096	HOLLY	RD	NEOSHO	E-6030-DZ-P	NT	2378	850
8139	HOLLY	RD	NEOSHO	T-0689-F2-P	19	50.2	58.2
8139	HOLLY	RD	NEOSHO	T-0689-B1-P	25	54	84.1
8139	HOLLY	RD	NEOSHO	T-0689-F1-P	27	64.2	119
8139	HOLLY	RD	NEOSHO	T-0689-DZ-P	34	83.6	431
8139	HOLLY	RD	NEOSHO	T-0689-B2-P	22	88.7	143
8177	HOLLY	RD	NEOSHO	T-0690-B2-P	30	58.3	165
8177	HOLLY	RD	NEOSHO	T-0690-F1-P	24	59.2	223
8177	HOLLY	RD	NEOSHO	T-0690-F2-P	38	61.7	53.3
8177	HOLLY	RD	NEOSHO	T-0690-DZ-P	42	69.3	463
8177	HOLLY	RD	NEOSHO	T-0690-B1-P	37	106	160
8193	HOLLY	RD	NEOSHO	T-0688-F2-P	33	39.3	101
8193	HOLLY	RD	NEOSHO	T-0688-DZ-P	26	61.1	132
8193	HOLLY	RD	NEOSHO	T-0688-B1-P	27	63.8	264
8193	HOLLY	RD	NEOSHO	T-0688-F1-P	28	75.2	225
8193	HOLLY	RD	NEOSHO	T-0688-B2-P	43	124	580
8249	HOLLY	RD	NEOSHO	T-0693-F1-P	47	40	156
8249	HOLLY	RD	NEOSHO	T-0693-F2-P	65	47.9	93.3
8249	HOLLY	RD	NEOSHO	T-0693-B1-P	58	56.4	193
8249	HOLLY	RD	NEOSHO	T-0693-DZ-P	80	62.1	435
8249	HOLLY	RD	NEOSHO	T-0693-B2-P	73	84.5	190
8325	HOLLY	RD	NEOSHO	T-0691-B2-P	69	60	75.4
8325	HOLLY	RD	NEOSHO	T-0691-B1-P	67	60.2	139
8325	HOLLY	RD	NEOSHO	T-0691-F2-P	50	70	96.2
8325	HOLLY	RD	NEOSHO	T-0691-F1-P	78	82.1	93
8354	HOLLY	DR	NEOSHO	T-0692-F1-P	84	42.2	94.5
8354	HOLLY	DR	NEOSHO	T-0692-F2-P	85	55.5	96
8354	HOLLY	DR	NEOSHO	T-0692-BY-P	82	80	382

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
8354	HOLLY	DR	NEOSHO	T-0692-BY-CP	9	96.6	1140
8354	HOLLY	DR	NEOSHO	T-0692-DZ-P	76	265	348
8464	HOLLY	RD	NEOSHO	E-5015-F2-P	55	52.8	54
8464	HOLLY	RD	NEOSHO	E-5015-B2-P	48	68.7	89.2
8464	HOLLY	RD	NEOSHO	E-5015-F1-P	51	88.2	94.5
8464	HOLLY	RD	NEOSHO	E-5015-DZ-P	64	101	107
8464	HOLLY	RD	NEOSHO	E-5015-B1-P	47	136	119
8963	HOLLY	RD	NEOSHO	T-0620-F1-P	38	74.8	333
8963	HOLLY	RD	NEOSHO	T-0620-F2-P	32	81.5	282
8963	HOLLY	RD	NEOSHO	T-0620-DZ-P	34	141	546
8963	HOLLY	RD	NEOSHO	T-0620-B2-P	31	197	469
8963	HOLLY	RD	NEOSHO	T-0620-B1-C1	5.1	300	2140
8963	HOLLY	RD	NEOSHO	T-0620-B1-C2	5	445	2220
8963	HOLLY	RD	NEOSHO	T-0620-B1-P	42	494	1080
9338	HOLLY	RD	NEOSHO	T-0621-F1-P	32	89.2	247
9338	HOLLY	RD	NEOSHO	T-0621-F1-CP	ND	100	308
9338	HOLLY	RD	NEOSHO	T-0621-F2-P	54	105	320
9338	HOLLY	RD	NEOSHO	T-0621-B1-P	39	113	478
9338	HOLLY	RD	NEOSHO	T-0621-DZ-P	43	162	782
9338	HOLLY	RD	NEOSHO	T-0621-B2-P	43	190	754
9363	HOLLY	RD	NEOSHO	T-0696-B2-P	40	88	405
9363	HOLLY	RD	NEOSHO	T-0696-F2-P	37	112	470
9363	HOLLY	RD	NEOSHO	T-0696-B1-P	43	131	572
9363	HOLLY	RD	NEOSHO	T-0696-DZ-P	36	242	974
9363	HOLLY	RD	NEOSHO	T-0696-F1-P	41	384	4380
9390	HOLLY	RD	NEOSHO	T-0623-B1-P	32	86.9	564
9390	HOLLY	RD	NEOSHO	T-0623-DZ-P	35	165	785
9390	HOLLY	RD	NEOSHO	T-0623-F2-P	47	202	2390
9390	HOLLY	RD	NEOSHO	T-0623-B2-P	34	206	1060
9390	HOLLY	RD	NEOSHO	T-0623-F1-P	46	221	1500
9442	HOLLY	RD	NEOSHO	T-0624-B1-P	36	25.9	89.3
9442	HOLLY	RD	NEOSHO	T-0624-B2-P	44	30.7	204
9442	HOLLY	RD	NEOSHO	T-0624-F1-P	35	40.4	54.8
9442	HOLLY	RD	NEOSHO	T-0624-F2-P	37	45.2	275
9442	HOLLY	RD	NEOSHO	T-0624-DZ-P	35	46.7	105
9555	HOLLY	RD	NEOSHO	T-0628-F1-P	38	100	560
9555	HOLLY	RD	NEOSHO	T-0628-B2-P	36	105	154
9555	HOLLY	RD	NEOSHO	T-0628-B1-P	45	163	289
9555	HOLLY	RD	NEOSHO	T-0628-DZ-P	47	172	1560
9555	HOLLY	RD	NEOSHO	T-0628-F2-P	38	212	120
9661	HOLLY	RD	NEOSHO	T-0697-F2-P	38	90.2	185
9661	HOLLY	RD	NEOSHO	T-0697-F1-P	44	96.5	214
9661	HOLLY	RD	NEOSHO	T-0697-B2-P	42	147	826
9661	HOLLY	RD	NEOSHO	T-0697-B1-P	49	155	2030
9661	HOLLY	RD	NEOSHO	T-0697-DZ-P	35	226	1370
9863	HOLLY	RD	NEOSHO	E-5028-F1-P	45	48.2	65.5
9863	HOLLY	RD	NEOSHO	E-5028-F2-P	68	86.1	202
9863	HOLLY	RD	NEOSHO	E-5028-DZ-P	50	106	538
9863	HOLLY	RD	NEOSHO	E-5028-B2-P	61	148	675
9863	HOLLY	RD	NEOSHO	E-5028-B1-P	58	246	1610
17737	HOTTEL SPRINGS		SENECA	S-3019-F1-P	NT	52	84.4
17737	HOTTEL SPRINGS		SENECA	S-3019-B1-P	NT	55	127
17737	HOTTEL SPRINGS		SENECA	S-3019-DZ-P	NT	55	126
6339	HUNTER	LN	JOPLIN	J-0325-B1-P	42	17	74.4
6339	HUNTER	LN	JOPLIN	J-0325-DZ-P	46	26.5	43
6339	HUNTER	LN	JOPLIN	J-0325-B2-P	45	41.4	81.9
6339	HUNTER	LN	JOPLIN	J-0325-F1-P	36	46.5	82.5
6339	HUNTER	LN	JOPLIN	J-0325-F2-P	56	54.9	3010

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
5733	W	HWY 86		JOPLIN	J-0353-B1-P	57	34.5	304
5733	W	HWY 86		JOPLIN	J-0353-B2-P	55	56.1	310
5733	W	HWY 86		JOPLIN	J-0353-F2-P	55	93.9	616
5733	W	HWY 86		JOPLIN	J-0353-DZ-P	55	95.3	341
5733	W	HWY 86		JOPLIN	J-0353-F1-P	50	158	1040
1407		HWY FF		DIAMOND	D-0751-F1-P	68	39	93.5
1407		HWY FF		DIAMOND	D-0751-F2-P	48	43.2	64
1407		HWY FF		DIAMOND	D-0751-DZ-P	82	43.9	118
14483		HWY FF		JOPLIN	D-0752-F1-P	51	24	50.9
14483		HWY FF		JOPLIN	D-0752-B1-P	44	26	42.8
14483		HWY FF		JOPLIN	D-0752-F1-CP	ND	28.7	56.6
14483		HWY FF		JOPLIN	D-0752-F2-P	53	28.7	51
14483		HWY FF		JOPLIN	D-0752-DZ-P	26	30.5	42.8
14483		HWY FF		JOPLIN	D-0752-B2-P	41	35.9	43
14529		HWY FF		JOPLIN	D-0713-F2-P	73	34.3	235
14529		HWY FF		JOPLIN	D-0713-F1-P	50	35.7	139
14529		HWY FF		JOPLIN	D-0713-DZ-P	77	45.5	94.3
14529		HWY FF		JOPLIN	D-0713-B2-P	96	55.9	166.8
14529		HWY FF		JOPLIN	D-0713-B1-P	63	72.4	190
14645		HWY FF	NO. 6	DIAMOND	D-0720-DZ-P	63	26	200
14645		HWY FF	NO. 1	DIAMOND	D-0715-BY-P	69	27	207
14645		HWY FF	NO. 5	DIAMOND	D-0719-BY-P	43	27	65
14645		HWY FF	NO. 2-1/2	DIAMOND	D-0756-BY-P	70	33.4	163
14645		HWY FF	NO. 4	DIAMOND	D-0718-BY-P	88	37	183
14645		HWY FF	NO. 7	DIAMOND	D-0714-BY-P	63	37.1	64
14645		HWY FF	NO. 6	DIAMOND	D-0720-FY-P	51	38.2	190
14645		HWY FF	NO. 5	DIAMOND	D-0719-DZ-P	81	40.9	556
14645		HWY FF	NO. 10	DIAMOND	D-0750-FY-P	69.7	44.5	64
14645		HWY FF	NO. 5	DIAMOND	D-0719-FY-P	84	47.5	107
14645		HWY FF	NO. 11	DIAMOND	D-0753-DZ-P	78	47.9	158
14645		HWY FF	NO. 8	DIAMOND	D-0748-DZ-P	54	49.2	136
14645		HWY FF	NO. 3	DIAMOND	D-0717-FY-P	65	55	154
14645		HWY FF	NO. 11	DIAMOND	D-0753-FY-P	65	55.2	61
14645		HWY FF	NO. 10	DIAMOND	D-0750-DZ-P	70.1	57.8	169.4
14645		HWY FF	NO. 1	DIAMOND	D-0715-DZ-P	60	63.9	361
14645		HWY FF	NO. 9	DIAMOND	D-0749-BY-P	69	75.3	73.8
14645		HWY FF	NO. 9	DIAMOND	D-0749-FY-P	70	81.9	83.8
14645		HWY FF	NO. 8	DIAMOND	D-0748-FY-P	71	84.9	131
14645		HWY FF	NO. 9	DIAMOND	D-0749-DZ-P	76	93.8	145
14645		HWY FF	NO. 8	DIAMOND	D-0748-FY-CP	ND	112	201
14645		HWY FF	NO. 7	DIAMOND	D-0714-FY-P	50	134	349
14645		HWY FF	NO. 2	DIAMOND	D-0716-FY-P	80	134	990
14645		HWY FF	NO. 2-1/2	DIAMOND	D-0756-FY-P	66	138	376
14645		HWY FF	NO. 4	DIAMOND	D-0718-FY-P	77	143	267
14645		HWY FF	NO. 3	DIAMOND	D-0717-DZ-P	74	158	2330
14645		HWY FF	NO. 2-1/2	DIAMOND	D-0756-DZ-P	78	200	894
14645		HWY FF	NO. 7	DIAMOND	D-0714-DZ-P	79	213	7040
14645		HWY FF	NO. 4	DIAMOND	D-0718-DZ-P	76	235	439
18767		HWY H		GRANBY	G-1101-F1-P	47	15	72.6
18767		HWY H		GRANBY	G-1101-F2-P	43	22.4	69.3
18767		HWY H		GRANBY	G-1101-DZ-P	29	29.6	80.4
18767		HWY H		GRANBY	G-1101-B2-P	45	30.2	174
18767		HWY H		GRANBY	G-1101-B1-P	33	55.5	359
24128		HWY HH		STARK CITY	K-0813-B1-P	42	16.8	34
24128		HWY HH		STARK CITY	K-0813-DZ-P	39	34.1	49.2
24128		HWY HH		STARK CITY	K-0813-F1-P	33	43.5	40.1
24128		HWY HH		STARK CITY	K-0813-B2-P	33	48.9	85.8
24128		HWY HH		STARK CITY	K-0813-F2-P	39	63	168

Residential Soil Sampling
Newton County Mine Tailings Site

Address		City	Sample Number	Cadmium	Lead	Zinc
27756	HWY J	PIERCE CITY	W-0914-F1-P	29	28.4	71.8
27756	HWY J	PIERCE CITY	W-0914-F2-P	37	31	209
27756	HWY J	PIERCE CITY	W-0914-DZ-P	39	61.6	580
27756	HWY J	PIERCE CITY	W-0914-B1-P	40	75.7	1130
27756	HWY J	PIERCE CITY	W-0914-B2-P	36	83.7	548
28185	HWY J	WENTWORTH	W-0915-B1-P	60	37.1	242
28185	HWY J	WENTWORTH	W-0915-B2-P	76	51.5	376
28185	HWY J	WENTWORTH	W-0915-F2-P	63	65.3	931
28185	HWY J	WENTWORTH	W-0915-F1-P	72	68.7	1530
28185	HWY J	WENTWORTH	W-0915-DZ-P	62	118	408
28370	HWY J	WENTWORTH	W-0970-F2-P	61	46.2	335
28370	HWY J	WENTWORTH	W-0970-F1-P	76	48.8	495
28370	HWY J	WENTWORTH	W-0970-B2-P	62	58.1	962
28370	HWY J	WENTWORTH	W-0970-B1-P	84	64.8	1680
28370	HWY J	WENTWORTH	W-0970-DZ-P	61	69.7	1430
28774	HWY J	WENTWORTH	W-0917-F2-P	73	53.4	670
28774	HWY J	WENTWORTH	W-0917-F1-CP	5.4	58.7	1200
28774	HWY J	WENTWORTH	W-0917-F1-P	73	59.7	578
28774	HWY J	WENTWORTH	W-0917-B1-P	74	85.1	794
28774	HWY J	WENTWORTH	W-0917-B2-P	76	107	1930
28774	HWY J	WENTWORTH	W-0917-DZ-P	65	969	1930
30487	HWY J	WENTWORTH	W-0927-B2-P	64	74.4	515
30487	HWY J	WENTWORTH	W-0927-F1-P	69	78.1	868
30487	HWY J	WENTWORTH	W-0927-B1-P	67	111	1050
30487	HWY J	WENTWORTH	W-0927-F2-P	69	159	745
30487	HWY J	WENTWORTH	W-0927-DZ-P	57	228	895
30589	HWY J	WENTWORTH	W-0928-F2-P	66	79.7	433
30589	HWY J	WENTWORTH	W-0928-F1-P	51	133	846
30589	HWY J	WENTWORTH	W-0928-BY-P	64	187	1400
30589	HWY J	WENTWORTH	W-0928-DZ-P	51	994	1820
30647	HWY J	WENTWORTH	W-0929-BY-CP	ND	19.9	145
30647	HWY J	WENTWORTH	W-0929-BY-P	60	24	101
30647	HWY J	WENTWORTH	W-0929-FY-P	68	24	64
30647	HWY J	WENTWORTH	W-0929-DZ-P	78	26	121
6685	HWY JJ	WENTWORTH	W-0956-F2-P	96	42.5	631
6685	HWY JJ	WENTWORTH	W-0956-B2-P	96	45.2	631
6685	HWY JJ	WENTWORTH	W-0956-F1-P	55	48.5	703
6685	HWY JJ	WENTWORTH	W-0956-B2-CP	ND	60.1	325
6685	HWY JJ	WENTWORTH	W-0956-B1-P	78	66.6	187
6685	HWY JJ	WENTWORTH	W-0956-DZ-P	57	141	770
5706	HWY NN	JOPLIN	J-0314-F2-P	35	59.2	197
5706	HWY NN	JOPLIN	J-0314-B2-P	43	135	721
5706	HWY NN	JOPLIN	J-0314-F1-P	43	222	535
5706	HWY NN	JOPLIN	J-0314-DZ-P	46	251	1200
5706	HWY NN	JOPLIN	J-0314-B1-P	40	709	1250
5736	HWY NN	JOPLIN	J-0315-B2-P	70	32.6	195
5736	HWY NN	JOPLIN	J-0315-F1-P	64	89.6	321
5736	HWY NN	JOPLIN	J-0315-DZ-P	60	131	844
5736	HWY NN	JOPLIN	J-0315-F2-P	68	151	589
5736	HWY NN	JOPLIN	J-0315-B1-P	67	159	425
5772	HWY NN	JOPLIN	J-0316-DZ-P	46	126	812
5772	HWY NN	JOPLIN	J-0316-F1-P	68	135	536
5772	HWY NN	JOPLIN	J-0316-F2-P	75	135	616
5772	HWY NN	JOPLIN	J-0316-B1-P	52	165	866
5772	HWY NN	JOPLIN	J-0316-B2-P	83	224	18600
9343	HWY NN	NEOSHO	T-0634-B1-P	33	31.3	76.8
9343	HWY NN	NEOSHO	T-0634-B2-P	43	67.4	155
9343	HWY NN	NEOSHO	T-0634-DZ-P	39	92.5	486

Residential Soil Sampling
Newton County Mine Tailings Site

Address		City	Sample Number	Cadmium	Lead	Zinc
9343	HWY NN	NEOSHO	T-0634-F1-P	41	135	247
9343	HWY NN	NEOSHO	T-0634-F2-P	45	218	2040
9445	HWY NN	NEOSHO	T-1600-F1-P	40	242	986
9445	HWY NN	NEOSHO	T-1600-F2-CP	49	319	1750
9445	HWY NN	NEOSHO	T-1600-B1-CP	43	602	8240
9445	HWY NN	NEOSHO	T-1600-F2-C1	25.5	699	8.3
9445	HWY NN	NEOSHO	T-1600-F2-C2	20.7	795	6.4
9445	HWY NN	NEOSHO	T-1600-F1-C1	21.8	846	4130
9445	HWY NN	NEOSHO	T-1600-B2-P	51	575	2360
9445	HWY NN	NEOSHO	T-1600-F1-C2	22.4	905	3970
9445	HWY NN	NEOSHO	T-1600-DZ-C2	21.5	2120	4.9
9445	HWY NN	NEOSHO	T-1600-DZ-CP	59	2340	5030
9445	HWY NN	NEOSHO	T-1600-DZ-C1	29.3	4700	5.8
9477	HWY NN	NEOSHO	T-0699-B2-P	66	81.6	434
9477	HWY NN	NEOSHO	T-0699-DZ-P	44	84.8	413
9477	HWY NN	NEOSHO	T-0699-B1-P	60	127	547
9477	HWY NN	NEOSHO	T-0699-F2-P	73	133	953
9477	HWY NN	NEOSHO	T-0699-F1-P	67	264	1950
9501	HWY NN	NEOSHO	T-0635-DZ-P	33	67.5	333
9501	HWY NN	NEOSHO	T-0635-B2-P	40	117	497
9501	HWY NN	NEOSHO	T-0635-F1-P	39	141	747
9501	HWY NN	NEOSHO	T-0635-F2-P	37	224	920
9501	HWY NN	NEOSHO	T-0635-B1-P	43	225	798
9521	HWY NN	NEOSHO	T-0636-B1-P	47	75	272
9521	HWY NN	NEOSHO	T-0636-B2-P	31	92.9	778
9521	HWY NN	NEOSHO	T-0636-F1-P	37	109	707
9521	HWY NN	NEOSHO	T-0636-F2-P	36	111	676
9521	HWY NN	NEOSHO	T-0636-DZ-P	42	280	712
9523	HWY NN	NEOSHO	T-0637-B1-P	39	90.9	328
9523	HWY NN	NEOSHO	T-0637-B2-P	41	144	673
9523	HWY NN	NEOSHO	T-0637-F1-P	50	177	894
9523	HWY NN	NEOSHO	T-0637-DZ-P	44	212	1330
9523	HWY NN	NEOSHO	T-0637-F2-P	42	232	1320
9674	HWY NN	NEOSHO	T-0638-B1-P	47.4	31.1	74.5
9674	HWY NN	NEOSHO	T-0638-F1-P	39.3	33.5	63.8
9674	HWY NN	NEOSHO	T-0638-DZ-P	38.4	34.6	267.8
9674	HWY NN	NEOSHO	T-0638-B2-P	33.75	36.4	61.9
9674	HWY NN	NEOSHO	T-0638-F2-P	24	37	56.8
9677	HWY NN	NEOSHO	T-0641-F1-P	40	61.9	330
9677	HWY NN	NEOSHO	T-0641-B1-P	52	65.1	254
9677	HWY NN	NEOSHO	T-0641-DZ-P	38	98.7	365
9677	HWY NN	NEOSHO	T-0641-F2-P	29	139	353
9677	HWY NN	NEOSHO	T-0641-B2-P	43	268	1180
9739	HWY NN	NEOSHO	T-0642-B2-P	44	29.1	173
9739	HWY NN	NEOSHO	T-0642-B1-P	41	42.3	78.9
9739	HWY NN	NEOSHO	T-0642-F1-P	38	51.6	156
9739	HWY NN	NEOSHO	T-0642-DZ-P	47	54.5	395
9739	HWY NN	NEOSHO	T-0642-F2-P	51	74.3	555
9824	HWY NN	NEOSHO	T-0643-B2-P	50	57.7	172
9824	HWY NN	NEOSHO	T-0643-B1-P	43	97.8	276
9824	HWY NN	NEOSHO	T-0643-F1-P	58	110	394
9824	HWY NN	NEOSHO	T-0643-F2-P	55.4	500	6410
9824	HWY NN	NEOSHO	T-0643-DZ-P	38	1220	1580
225	HWY O	STARK CITY	K-0811-DZ-P	57	28	659
225	HWY O	STARK CITY	K-0811-B1-P	55	36.3	287
225	HWY O	STARK CITY	K-0811-F2-P	70	50.6	242
225	HWY O	STARK CITY	K-0811-F1-P	63	126	762
225	HWY O	STARK CITY	K-0811-B2-P	78	283	326

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6068	HWY W		PIERCE CITY	W-0939-BY-P	62	39.9	394
6068	HWY W		PIERCE CITY	W-0939-F1-P	69	50.8	870
6068	HWY W		PIERCE CITY	W-0939-DZ-P	82	97.7	958
6068	HWY W		PIERCE CITY	W-0939-F2-P	80	105	1500
9486	IBERIA	LN	NEOSHO	T-0681-B1-P	28.8	243.2	93.7
9486	IBERIA	LN	NEOSHO	T-0681-F1-P	28.2	264.4	68.3
9486	IBERIA	LN	NEOSHO	T-0681-DZ-P	45.6	269.2	153.8
9486	IBERIA	LN	NEOSHO	T-0681-B2-P	37.05	273.8	111
9486	IBERIA	LN	NEOSHO	T-0681R-F2-P	30	1720	226
9486	IBERIA	LN	NEOSHO	T-0681-F2-P	34.95	2068.8	312.2
9486	IBERIA	LN	NEOSHO	T-0681-F2-C1	1.8	2220	378
9486	IBERIA	LN	NEOSHO	T-0681-B2-C2	2.3	2840	563
9486	IBERIA	LN	NEOSHO	T-0681R-F2-C1	ND	3020	352
9486	IBERIA	LN	NEOSHO	T-0681R-F2-C2	ND	3030	357
9385	IBERIA	LN	NEOSHO	T-0680-F1-C2	1.7	409	367
9385	IBERIA	LN	NEOSHO	T-0680-F1-P	43.05	470	302
9385	IBERIA	LN	NEOSHO	T-0680-B2-P	35.4	482.4	500.8
9385	IBERIA	LN	NEOSHO	T-0680-F2-C2	2.3	477	367
9385	IBERIA	LN	NEOSHO	T-0680-F2-C1	1.9	533	342
9385	IBERIA	LN	NEOSHO	T-0680R-F1-P	29	535	230
9385	IBERIA	LN	NEOSHO	T-0680-B1-P	38.55	612.4	291.2
9385	IBERIA	LN	NEOSHO	T-0680-B2-C2	3.6	742	844
9385	IBERIA	LN	NEOSHO	T-0680-F2-P	43.05	756.4	1129.6
9385	IBERIA	LN	NEOSHO	T-0680R-F1-C2	1.3	844	340
9385	IBERIA	LN	NEOSHO	T-0680-B2-C1	3.6	885	844
9385	IBERIA	LN	NEOSHO	T-0680R-B1-P	25	906	580
9385	IBERIA	LN	NEOSHO	T-0680R-F2-P	34	939	506
9385	IBERIA	LN	NEOSHO	T-0680R-F2-C2	4	961	894
9385	IBERIA	LN	NEOSHO	T-0680-B1-C1	6.1	1050	1400
9385	IBERIA	LN	NEOSHO	T-0680R-DZ-P	29	1060	513
9385	IBERIA	LN	NEOSHO	T-0680R-F2-C1	4.7	1060	682
9385	IBERIA	LN	NEOSHO	T-0680-B1-C2	7.6	1070	1730
9385	IBERIA	LN	NEOSHO	T-0680R-B1-C2	2.8	1090	666
9385	IBERIA	LN	NEOSHO	T-0680R-F1-C1	1.2	1130	325
9385	IBERIA	LN	NEOSHO	T-0680-DZ-P	40.8	1189.6	1658.8
9385	IBERIA	LN	NEOSHO	T-0680R-B2-P	31	1170	2220
9385	IBERIA	LN	NEOSHO	T-0680R-DZ-C2	3.5	1270	715
9385	IBERIA	LN	NEOSHO	T-0680R-B2-C1	11	1410	3040
9385	IBERIA	LN	NEOSHO	T-0680R-B2-C2	ND	1580	2280
9385	IBERIA	LN	NEOSHO	T-0680R-DZ-C1	2.7	1900	548
9385	IBERIA	LN	NEOSHO	T-0680-F1-C1	1.6	2000	372
9385	IBERIA	LN	NEOSHO	T-0680-DZ-C2	14	2130	2300
9385	IBERIA	LN	NEOSHO	T-0680R-B1-C1	1.9	2400	544
9385	IBERIA	LN	NEOSHO	T-0680-DZ-C1	17.6	2630	3110
10052	IBEX	RD	NEOSHO	E-5483-B1-P	61	62.7	225
10052	IBEX	RD	NEOSHO	E-5483-B2-P	65	92.9	492
10052	IBEX	RD	NEOSHO	E-5483-F1-P	54	97.4	397
10052	IBEX	RD	NEOSHO	E-5483-F2-P	54	141	885
10052	IBEX	RD	NEOSHO	E-5483-DZ-P	59	318	1180
9284	IBEX	DR	NEOSHO	T-0682-F1-P	42	33.8	60.9
9284	IBEX	DR	NEOSHO	T-0682-B1-P	28	41.6	75.8
9284	IBEX	DR	NEOSHO	T-0682-DZ-P	34	48.3	68.6
9284	IBEX	DR	NEOSHO	T-0682-F2-P	40	60.1	83
9284	IBEX	DR	NEOSHO	T-0682-B2-P	33	76.7	64
9626	IBEX	RD	NEOSHO	T-0683-B2-P	42	16	39
9626	IBEX	RD	NEOSHO	T-0683-DZ-P	43	16	86.6
9626	IBEX	RD	NEOSHO	T-0683-F1-P	50	24.6	41.3
9626	IBEX	RD	NEOSHO	T-0683-B1-P	42	28.5	37

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
9626	IBEX	RD	NEOSHO	T-0683-F2-P	38	28.5	100
9669	IBEX	RD	NEOSHO	T-1058-F1-P	34	247	262
9669	IBEX	RD	NEOSHO	T-1058-F2-P	38	359	157
9669	IBEX	RD	NEOSHO	T-1058-B1-P	37	552	249
9669	IBEX	RD	NEOSHO	T-1058-DZ-P	42	711	170
9669	IBEX	RD	NEOSHO	T-1058-B1-C2	ND	739	343
9669	IBEX	RD	NEOSHO	T-1058-B1-C1	1.7	800	529
9669	IBEX	RD	NEOSHO	T-1058-B2-C1	24	1240	733
9669	IBEX	RD	NEOSHO	T-1058-B2-C2	26	1240	766
9669	IBEX	RD	NEOSHO	T-1058-B2-P	42	2010	858
9678	IBEX	RD	NEOSHO	T-1608-F1-P	34	19.1	33
9678	IBEX	RD	NEOSHO	T-1608-DZ-P	35	27.1	36.2
9678	IBEX	RD	NEOSHO	T-1608-B2-P	31	31.1	31
9678	IBEX	RD	NEOSHO	T-1608-B1-P	33	37.1	48.4
9678	IBEX	RD	NEOSHO	T-1608-F2-P	39	46.6	45
9747	IBEX	RD	NEOSHO	T-1059-B1-P	34	55.8	94
9747	IBEX	RD	NEOSHO	T-1059-F1-P	28	96.4	136
9747	IBEX	RD	NEOSHO	T-1059-DZ-P	42	128	346
9747	IBEX	RD	NEOSHO	T-1059-B2-C2	2.6	290	485
9747	IBEX	RD	NEOSHO	T-1059-B2-C1	2.5	348	517
9747	IBEX	RD	NEOSHO	T-1059-B2-P	43	1020	290
9747	IBEX	RD	NEOSHO	T-1059-F2-C1	2	1330	492
9747	IBEX	RD	NEOSHO	T-1059-F2-P	45	1340	315
9747	IBEX	RD	NEOSHO	T-1059-F2-C2	4.8	2610	941
7353	IMPALA	DR.	NEOSHO	E-6797-F2-P	NT	55	166
7353	IMPALA	DR.	NEOSHO	E-6797-B1-P	NT	61.9	121
7353	IMPALA	DR.	NEOSHO	E-6797-F1-P	NT	62.6	75
7353	IMPALA	DR.	NEOSHO	E-6797-DZ-P	NT	64.8	196
7353	IMPALA	DR.	NEOSHO	E-6797-B2-P	NT	89.5	522
2806	INSBROOK	LN	JOPLIN	J-0263-B1-P	68	24	51
2806	INSBROOK	LN	JOPLIN	J-0263-B2-P	61	27	52
2806	INSBROOK	LN	JOPLIN	J-0263-F1-CP	ND	33.2	116
2806	INSBROOK	LN	JOPLIN	J-0263-F1-P	65	38.4	92
2806	INSBROOK	LN	JOPLIN	J-0263-DZ-P	50	43.2	142
2806	INSBROOK	LN	JOPLIN	J-0263-F2-P	78	56.3	59
7069	IRIS	RD	NEOSHO	T-0612-F2-P	43	34.9	68.1
7069	IRIS	RD	NEOSHO	T-0612-F1-P	40	36.2	50.1
7069	IRIS	RD	NEOSHO	T-0612-B2-P	51	61.5	56.3
7069	IRIS	RD	NEOSHO	T-0612-B1-P	44	98.7	48
7069	IRIS	RD	NEOSHO	T-0612-DZ-P	42	143	39
7212	IRIS	RD	NEOSHO	T-0613-B2-P	42	48.9	273
7212	IRIS	RD	NEOSHO	T-0613-F1-P	29	69.7	401
7212	IRIS	RD	NEOSHO	T-0613-B1-P	39	83.2	165
7212	IRIS	RD	NEOSHO	T-0613-F2-P	37	134	1150
7212	IRIS	RD	NEOSHO	T-0613-F2-CP	ND	172	1370
7212	IRIS	RD	NEOSHO	T-0613-DZ-P	43	211	692
7962	IRIS	RD	NEOSHO	E-5830-DZ-P	NT	51.7	417
7962	IRIS	RD	NEOSHO	E-5830-F1-P	NT	65.7	380
7962	IRIS	RD	NEOSHO	E-5830-B2-P	NT	78.1	177
7962	IRIS	RD	NEOSHO	E-5830-F2-P	NT	94.5	325
7962	IRIS	RD	NEOSHO	E-5830-B1-P	NT	482	441
8239	IRIS	RD	NEOSHO	E-5525-B2-P	NT	44	175
8239	IRIS	RD	NEOSHO	E-5525-F2-P	NT	66.8	117
8239	IRIS	RD	NEOSHO	E-5525-DZ-P	NT	115	651
8239	IRIS	RD	NEOSHO	E-5525-B1-P	NT	157	247
8239	IRIS	RD	NEOSHO	E-5525-F1-P	NT	168	260
8430	IRIS	RD	NEOSHO	T-0616-B2-P	36	60.3	507
8430	IRIS	RD	NEOSHO	T-0616-F2-P	25	138	385

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
8430	IRIS	RD	NEOSHO	T-0616-DZ-P	33	168	448
8430	IRIS	RD	NEOSHO	T-0616-F1-P	35	176	474
8430	IRIS	RD	NEOSHO	T-0616-B1-P	31	203	1000
8566	IRIS	RD	NEOSHO	T-1601-DZ-P	46	308	1030
8566	IRIS	RD	NEOSHO	T-1601-B2-P	38	429	722
8566	IRIS	RD	NEOSHO	T-1601-B1-P	46	479	1170
8566	IRIS	RD	NEOSHO	T-1601-F1-P	62.8	525	1020
8566	IRIS	RD	NEOSHO	T-1601-F2-P	46	640	2370
8685	IRIS	RD	NEOSHO	T-0618-F1-P	35	106	152
8685	IRIS	RD	NEOSHO	T-0618-F1-CP	1.2	144	216
8685	IRIS	RD	NEOSHO	T-0618-F2-P	38	408	405
8685	IRIS	RD	NEOSHO	T-0618-B1-P	42	562	572
8685	IRIS	RD	NEOSHO	T-0618-DZ-P	39	658	568
8685	IRIS	RD	NEOSHO	T-0618-B2-P	40	2210	2230
8781	IRIS	RD	NEOSHO	T-0619-B2-P	41	46.7	48.2
8781	IRIS	RD	NEOSHO	T-0619-B1-P	43	53.5	88.2
8781	IRIS	RD	NEOSHO	T-0619-F1-P	25	116	249
8781	IRIS	RD	NEOSHO	T-0619-DZ-P	32	227	428
8781	IRIS	RD	NEOSHO	T-0619-F2-P	34	255	533
9134	IRIS	RD	NEOSHO	T-4000-B2-P	62	26.5	102
9134	IRIS	RD	NEOSHO	T-4000-F1-P	48	31.8	146
9134	IRIS	RD	NEOSHO	T-4000-B1-P	44	39.2	197
9134	IRIS	RD	NEOSHO	T-4000-F2-P	56	49.5	54.4
9134	IRIS	RD	NEOSHO	T-4000-DZ-P	57	161	716
9350	IRIS	RD	NEOSHO	T-1604-DZ-P	43	20.3	72.9
9350	IRIS	RD	NEOSHO	T-1604-F2-P	40	23.4	56.1
9350	IRIS	RD	NEOSHO	T-1604-B2-P	46	29.2	61.1
9350	IRIS	RD	NEOSHO	T-1604-B1-P	44	30.6	193
9350	IRIS	RD	NEOSHO	T-1604-F1-P	43	48.7	304
2900	IRONTON	LN	JOPLIN	J-0264-F1-P	58	20	53
2900	IRONTON	LN	JOPLIN	J-0264-DZ-P	50	26.9	565
2900	IRONTON	LN	JOPLIN	J-0264-F2-P	61	40.1	229
2912	IRONTON	LN	JOPLIN	J-0265-B2-P	NT	50	72.1
2912	IRONTON	LN	JOPLIN	J-0265-DZ-P	NT	53	71
2912	IRONTON	LN	JOPLIN	J-0265-F2-P	NT	53	89.5
2912	IRONTON	LN	JOPLIN	J-0265-F1-P	NT	56	84.7
2912	IRONTON	LN	JOPLIN	J-0265-B1-P	NT	59.8	1590
2939	IRONTON	LN	JOPLIN	J-0390-F1-CP	ND	23.8	77.1
2939	IRONTON	LN	JOPLIN	J-0390-DZ-P	42	32.2	96.6
2939	IRONTON	LN	JOPLIN	J-0390-B1-P	43	43.8	54.9
2939	IRONTON	LN	JOPLIN	J-0390-F1-P	48	49.7	91.2
2939	IRONTON	LN	JOPLIN	J-0390-F2-P	20	69.3	174
2939	IRONTON	LN	JOPLIN	J-0390-B2-P	37	88.2	282
7975	IVY	DR	NEOSHO	E-5523-F2-P	43	18	44.2
7975	IVY	DR	NEOSHO	E-5523-B1-P	44	31.9	58.2
7975	IVY	DR	NEOSHO	E-5523-DZ-P	54	34	46.3
7975	IVY	DR	NEOSHO	E-5523-B2-P	42	40.4	96.1
7975	IVY	DR	NEOSHO	E-5523-F1-P	43	42.9	62.7
1900	JAGUAR	RD.	JOPLIN	J-4081-B2-P	NT	48	166
1900	JAGUAR	RD.	JOPLIN	J-4081-F2-P	NT	48	247
1900	JAGUAR	RD.	JOPLIN	J-4081-DZ-P	NT	51	241
1900	JAGUAR	RD.	JOPLIN	J-4081-B1-P	NT	52	180
1900	JAGUAR	RD.	JOPLIN	J-4081-F1-P	NT	80.3	854
1936	JAGUAR	RD.	JOPLIN	J-4082-B1-P	NT	48	107
1936	JAGUAR	RD.	JOPLIN	J-4082-F1-P	NT	122	754
1936	JAGUAR	RD.	JOPLIN	J-4082-B2-P	NT	143	584
1936	JAGUAR	RD.	JOPLIN	J-4082-F2-P	NT	144	626
1936	JAGUAR	RD.	JOPLIN	J-4082-DZ-P	NT	512	3570

Address				City	Sample Number	Cadmium	Lead	Zinc
2495		JAGUAR	RD.	JOPLIN	J-4098-F2-P	NT	60.8	1220
2495		JAGUAR	RD.	JOPLIN	J-4098-F1-P	NT	68.6	936
2495		JAGUAR	RD.	JOPLIN	J-4098-B2-P	NT	72.3	176
2495		JAGUAR	RD.	JOPLIN	J-4098-B1-P	NT	180	342
2495		JAGUAR	RD.	JOPLIN	J-4098-DZ-P	NT	569	1430
3024		JAGUAR	RD.	JOPLIN	J-4083-F2-P	NT	49	102
3024		JAGUAR	RD.	JOPLIN	J-4083-B2-P	NT	50	92.1
3024		JAGUAR	RD.	JOPLIN	J-4083-F1-P	NT	62.2	341
3024		JAGUAR	RD.	JOPLIN	J-4083-DZ-P	NT	136	463
3024		JAGUAR	RD.	JOPLIN	J-4083-B1-P	NT	150	488
3140		JAGUAR	RD.	JOPLIN	J-4084-DZ-P	NT	49.6	232
3140		JAGUAR	RD.	JOPLIN	J-4084-F1-P	NT	74.2	147
3140		JAGUAR	RD.	JOPLIN	J-4084-B1-P	NT	84.7	240
3191		JAGUAR	RD.	JOPLIN	E-4120-DZ-P	NT	54	138
3191		JAGUAR	RD.	JOPLIN	J-4120-DZ-P	NT	54	138
3191		JAGUAR	RD.	JOPLIN	E-4120-F1-P	NT	69.2	242
3191		JAGUAR	RD.	JOPLIN	J-4120-F1-P	NT	69.2	242
3191		JAGUAR	RD.	JOPLIN	E-4120-B2-P	NT	89	89
3191		JAGUAR	RD.	JOPLIN	J-4120-B2-P	NT	89	89.3
3191		JAGUAR	RD.	JOPLIN	E-4120-F2-P	NT	100	148
3191		JAGUAR	RD.	JOPLIN	J-4120-F2-P	NT	100	148
3191		JAGUAR	RD.	JOPLIN	E-4120-B1-P	NT	110	175
3191		JAGUAR	RD.	JOPLIN	J-4120-B1-P	NT	110	175
3198		JAGUAR	RD.	JOPLIN	J-4085-F1-P	NT	48	65
3198		JAGUAR	RD.	JOPLIN	J-4085-F2-P	NT	56	77
3350		JAGUAR	RD.	JOPLIN	J-4086-F2-P	NT	52	180
3350		JAGUAR	RD.	JOPLIN	J-4086-B1-P	NT	53	98.6
3350		JAGUAR	RD.	JOPLIN	J-4086-DZ-P	NT	59	236
3350		JAGUAR	RD.	JOPLIN	J-4086-B2-P	NT	69.2	107
3350		JAGUAR	RD.	JOPLIN	J-4086-F1-P	NT	83.3	191
5487		JAY	DR	DIAMOND	D-4035-B1-P	NT	41	53
5487		JAY	DR	DIAMOND	D-4035-B2-P	NT	56	102
5487		JAY	DR	DIAMOND	D-4035-F1-P	NT	57	77
5487		JAY	DR	DIAMOND	D-4035-F2-P	NT	70.7	73
5487		JAY	DR	DIAMOND	D-4035-DZ-P	NT	73.4	73.4
11262		JOLLY MILL	LN	PIERCE CITY	K-4028-F1-P	39	25	76.2
11262		JOLLY MILL	LN	PIERCE CITY	K-4028-B2-P	67	26	65
11262		JOLLY MILL	LN	PIERCE CITY	K-4028-F2-P	57	27	62
11262		JOLLY MILL	LN	PIERCE CITY	K-4028-DZ-P	68	33.4	66
11262		JOLLY MILL	LN	PIERCE CITY	K-4028-B1-P	63	44.9	70.4
30704		JOLLY MILL	DR.	STARK CITY	K-4125-B2-P	NT	57	123
30704		JOLLY MILL	DR.	STARK CITY	K-4125-F2-P	NT	60	253
30704		JOLLY MILL	DR.	STARK CITY	K-4125-DZ-P	NT	97.3	396
30704		JOLLY MILL	DR.	STARK CITY	K-4125-F1-P	NT	120	502
30704		JOLLY MILL	DR.	STARK CITY	K-4125-B1-P	NT	128	356
31632		JOLLY MILL	DR.	PIERCE CITY	K-4136-F2-P	NT	52	193
31632		JOLLY MILL	DR.	PIERCE CITY	K-4136-B1-P	NT	54	271
31632		JOLLY MILL	DR.	PIERCE CITY	K-4136-B2-P	NT	61.3	190
31632		JOLLY MILL	DR.	PIERCE CITY	K-4136-DZ-P	NT	84.1	344
31632		JOLLY MILL	DR.	PIERCE CITY	K-4136-F1-P	NT	100	386
3312	S	JOPLIN		JOPLIN	J-1415-B1-P	69	32.9	173
3312	S	JOPLIN		JOPLIN	J-1415-B2-P	93	52.9	273
3312	S	JOPLIN		JOPLIN	J-1415-F2-P	56	75.8	447
3312	S	JOPLIN		JOPLIN	J-1415-F1-P	46	78.5	401
3312	S	JOPLIN		JOPLIN	J-1415-DZ-P	61	110	496
3324		JOPLIN		JOPLIN	J-1416-B2-P	46	109	596
3324		JOPLIN		JOPLIN	J-1416-F2-P	75	133	603
3324		JOPLIN		JOPLIN	J-1416-B1-P	47	181	1600

Address			City	Sample Number	Cadmium	Lead	Zinc
3324		JOPLIN	JOPLIN	J-1416-F1-P	62	181	1230
3324		JOPLIN	JOPLIN	J-1416-DZ-P	75	198	903
3329		JOPLIN	JOPLIN	J-1417-F1-P	58	73.4	643
3329		JOPLIN	JOPLIN	J-1417-F2-P	72	109	681
3329		JOPLIN	JOPLIN	J-1417-B1-P	66	216	1610
3329		JOPLIN	JOPLIN	J-1417-DZ-P	60	324	1150
3329		JOPLIN	JOPLIN	J-1417-B2-P	80	334	1360
3336		JOPLIN	JOPLIN	J-1418-B1-P	61	52.5	283
3336		JOPLIN	JOPLIN	J-1418-DZ-P	73	106	446
3336		JOPLIN	JOPLIN	J-1418-F2-P	55	134	789
3336		JOPLIN	JOPLIN	J-1418-F1-P	61	308	1270
3416		JOPLIN	JOPLIN	J-1419-F2-P	54	95.8	577
3416		JOPLIN	JOPLIN	J-1419-B1-P	58	139	539
3416		JOPLIN	JOPLIN	J-1419-F1-P	110	188	1450
3416		JOPLIN	JOPLIN	J-1419-DZ-P	56	391	983
3418		JOPLIN	JOPLIN	J-1420-B1-P	62	116	519
3418		JOPLIN	JOPLIN	J-1420-F2-P	65	155	715
3418		JOPLIN	JOPLIN	J-1420-DZ-P	73.95	195	749
3418		JOPLIN	JOPLIN	J-1420-F1-P	45	243	1040
3425		JOPLIN	JOPLIN	J-1421-F2-P	55	150	341
3425		JOPLIN	JOPLIN	J-1421-B2-P	73	160	1010
3425		JOPLIN	JOPLIN	J-1421-F1-P	52	252	1070
3425		JOPLIN	JOPLIN	J-1421-B1-P	56	253	626
3425		JOPLIN	JOPLIN	J-1421-DZ-P	75	782	2720
3427	S	JOPLIN	JOPLIN	J-1422-F1-P	90	245	616
3427	S	JOPLIN	JOPLIN	J-1422-B2-P	41	249	798
3427	S	JOPLIN	JOPLIN	J-1422-F2-P	64	314	894
3427	S	JOPLIN	JOPLIN	J-1422-B1-P	59	440	1250
3427	S	JOPLIN	JOPLIN	J-1422-DZ-P	76.95	1400	3190
3431		JOPLIN	JOPLIN	J-1423-F1-P	43	225	853
3431		JOPLIN	JOPLIN	J-1423-B1-P	59	462	1660
3431		JOPLIN	JOPLIN	J-1423-DZ-P	61	1030	2610
3509		JOPLIN	JOPLIN	J-1424-F2-P	62	39.4	209
3509		JOPLIN	JOPLIN	J-1424-F1-P	52	49.3	378
3509		JOPLIN	JOPLIN	J-1424-B1-P	68	67.9	392
3509		JOPLIN	JOPLIN	J-1424-DZ-P	78	72.6	495
3509		JOPLIN	JOPLIN	J-1424-B2-P	57	110	695
3524		JOPLIN	JOPLIN	J-1425-B1-P	56	56.4	229
3524		JOPLIN	JOPLIN	J-1425-F1-P	56	69.3	421
3524		JOPLIN	JOPLIN	J-1425-B2-P	54	89.3	205
3524		JOPLIN	JOPLIN	J-1425-F2-P	67	101	456
3524		JOPLIN	JOPLIN	J-1425-DZ-P	66	111	392
3535		JOPLIN	JOPLIN	J-1426-B2-P	51	184	843
3535		JOPLIN	JOPLIN	J-1426-F1-P	33	197	1100
3535		JOPLIN	JOPLIN	J-1426-DZ-P	55	198	843
3535		JOPLIN	JOPLIN	J-1426-B1-P	55	217	1000
3535		JOPLIN	JOPLIN	J-1426-F2-P	54	242	1820
3540		JOPLIN	JOPLIN	J-1427-B1-P	65	99.3	482
3540		JOPLIN	JOPLIN	J-1427-DZ-P	55	111	489
3540		JOPLIN	JOPLIN	J-1427-B2-P	47	129	369
3540		JOPLIN	JOPLIN	J-1427-F2-P	53	135	866
3540		JOPLIN	JOPLIN	J-1427-F1-P	55	153	435
3544		JOPLIN	JOPLIN	J-1428-B2-P	72	117	475
3544		JOPLIN	JOPLIN	J-1428-F2-P	50	246	791
3544		JOPLIN	JOPLIN	J-1428-F1-P	75	281	630
3544		JOPLIN	JOPLIN	J-1428-DZ-P	55	333	1010
3544		JOPLIN	JOPLIN	J-1428-B1-P	59	361	1090
4030		JOPLIN	JOPLIN	J-1429-B1-P	58	72.3	361

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
4030		JOPLIN		JOPLIN	J-1429-F1-P	51	101	461
4030		JOPLIN		JOPLIN	J-1429-F2-P	89	104	399
4030		JOPLIN		JOPLIN	J-1429-B2-P	72	120	574
4030		JOPLIN		JOPLIN	J-1429-DZ-P	62	157	6480
4105		JOPLIN		JOPLIN	J-1430-B2-P	53	42	179
4105		JOPLIN		JOPLIN	J-1430-F2-P	64	56.2	179
4105		JOPLIN		JOPLIN	J-1430-F1-P	47	69	429
4105		JOPLIN		JOPLIN	J-1430-B1-P	79	152	567
4105		JOPLIN		JOPLIN	J-1430-DZ-P	61	219	604
4106		JOPLIN		JOPLIN	J-1431-B1-P	65	36.9	148
4106		JOPLIN		JOPLIN	J-1431-F1-P	46	41.6	156
4106		JOPLIN		JOPLIN	J-1431-DZ-P	66	42.3	209
4106		JOPLIN		JOPLIN	J-1431-F2-P	57.45	42.9	182
4106		JOPLIN		JOPLIN	J-1431-B2-P	74	109	431
4115		JOPLIN		JOPLIN	J-1432-F1-P	42	38.7	158
4115		JOPLIN		JOPLIN	J-1432-B1-P	82	45.5	180
4115		JOPLIN		JOPLIN	J-1432-F2-P	74	78.8	296
4115		JOPLIN		JOPLIN	J-1432-B2-P	51	82.8	220
4115		JOPLIN		JOPLIN	J-1432-DZ-P	62	1960	2640
4128		JOPLIN		JOPLIN	J-1433-F1-P	46	37.4	270
4128		JOPLIN		JOPLIN	J-1433-B1-P	55	42.3	143
4128		JOPLIN		JOPLIN	J-1433-B2-P	74	63	229
4128		JOPLIN		JOPLIN	J-1433-DZ-P	65	101	634
4128		JOPLIN		JOPLIN	J-1433-F2-P	52	111	426
4145		JOPLIN		JOPLIN	J-1434-B2-P	68	65.1	220
4145		JOPLIN		JOPLIN	J-1434-F1-P	63	73.6	460
4145		JOPLIN		JOPLIN	J-1434-F2-P	59	158	1570
4145		JOPLIN		JOPLIN	J-1434-DZ-P	78	159	409
4145		JOPLIN		JOPLIN	J-1434-B1-P	87	225	732
4225		JOPLIN		JOPLIN	J-1435-B2-P	55	66.1	235
4225		JOPLIN		JOPLIN	J-1435-B1-P	620	145	834
4225		JOPLIN		JOPLIN	J-1435-F2-P	29	151	592
4225		JOPLIN		JOPLIN	J-1435-DZ-P	36	227	1200
4225		JOPLIN		JOPLIN	J-1435-F1-P	62	241	2350
4226	S	JOPLIN		JOPLIN	J-1436-F2-P	33	146	732
4226	S	JOPLIN		JOPLIN	J-1436-B1-P	73	149	234
4226	S	JOPLIN		JOPLIN	J-1436-B2-P	56	182	1520
4226	S	JOPLIN		JOPLIN	J-1436-F1-P	33	255	1430
4226	S	JOPLIN		JOPLIN	J-1436-DZ-P	69	337	1570
4317		JOPLIN		JOPLIN	J-1437-DZ-P	60	58.7	149
4317		JOPLIN		JOPLIN	J-1437-F2-P	48	104	466
4317		JOPLIN		JOPLIN	J-1437-F1-P	72	139	587
4317		JOPLIN		JOPLIN	J-1437-B1-P	78	157	373
4317		JOPLIN		JOPLIN	J-1437-B2-P	68	294	427
4331		JOPLIN		JOPLIN	J-1438-B1-P	67	61	362
4331		JOPLIN		JOPLIN	J-1438-B2-P	78	103	846
4331		JOPLIN		JOPLIN	J-1438-F2-P	34	120	1130
4331		JOPLIN		JOPLIN	J-1438-DZ-P	60	152	795
4331		JOPLIN		JOPLIN	J-1438-F1-P	73	199	1420
4402	S	JOPLIN		JOPLIN	J-1439-B2-P	51	57.3	164
4402	S	JOPLIN		JOPLIN	J-1439-F1-P	56	144	1130
4402	S	JOPLIN		JOPLIN	J-1439-DZ-P	41	171	480
4402	S	JOPLIN		JOPLIN	J-1439-B1-P	60	210	946
4402	S	JOPLIN		JOPLIN	J-1439-F2-P	62.7	214	1340
5324		JULE	RD	SENECA	S-4022-B1-P	43	47.3	245
5324		JULE	RD	SENECA	S-4022-B2-P	60	53	128
5324		JULE	RD	SENECA	S-4022-F1-P	47	58.5	236
5324		JULE	RD	SENECA	S-4022-F2-P	78	92.3	452

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5324	JULE	RD	SENECA	S-4022-DZ-P	58	174	247
3555	JUNCO TRAIL	RD	JOPLIN	J-0399-BY-P	64	35	89.8
3555	JUNCO TRAIL	RD	JOPLIN	J-0399-DZ-P	79	50.6	279
3555	JUNCO TRAIL	RD	JOPLIN	J-0399-FY-P	56	70.8	120
7246	JUNIPER	DR	NEOSHO	T-1603-F2-P	39	24	69.8
7246	JUNIPER	DR	NEOSHO	T-1603-DZ-P	49	29.1	104
7246	JUNIPER	DR	NEOSHO	T-1603-F1-P	43	30.6	72.2
7246	JUNIPER	DR	NEOSHO	T-1603-B2-P	47	37.6	60.3
7246	JUNIPER	DR	NEOSHO	T-1603-B1-P	38	51.1	168
7458	JUNIPER	DR	NEOSHO	T-0674-F1-P	36	35.3	114
7458	JUNIPER	DR	NEOSHO	T-0674-B1-P	48	35.6	92.4
7458	JUNIPER	DR	NEOSHO	T-0674-B2-P	44	45.4	255
7458	JUNIPER	DR	NEOSHO	T-0674-F2-P	56	46.7	229
7458	JUNIPER	DR	NEOSHO	T-0674-F2-CP	ND	52.8	322
7458	JUNIPER	DR	NEOSHO	T-0674-DZ-P	43	55.5	198
7591	JUNIPER	DR	NEOSHO	T-0676-B1-P	51	31.8	103
7591	JUNIPER	DR	NEOSHO	T-0676-B2-P	39	39.8	430
7591	JUNIPER	DR	NEOSHO	T-0676-F1-P	43	46.8	138
7591	JUNIPER	DR	NEOSHO	T-0676-DZ-P	44	58.6	287
7591	JUNIPER	DR	NEOSHO	T-0676-F2-P	46	77.6	270
7647	JUNIPER	DR	NEOSHO	T-0677-F1-P	39	35	179
7647	JUNIPER	DR	NEOSHO	T-0677-B2-P	46	36.7	91.8
7647	JUNIPER	DR	NEOSHO	T-0677-B1-P	45	36.9	104
7647	JUNIPER	DR	NEOSHO	T-0677-F1-CD	ND	50.2	309
7647	JUNIPER	DR	NEOSHO	T-0677-F1-CP	6.5	50.9	838
7647	JUNIPER	DR	NEOSHO	T-0677-F2-P	46	52.9	156
7647	JUNIPER	DR	NEOSHO	T-0677-DZ-P	38	61.4	144
7736	JUNIPER	DR	NEOSHO	T-0675-DZ-P	38	26.6	72
7736	JUNIPER	DR	NEOSHO	T-0675-FY-P	51	175	3500
7731	JUTE	RD	NEOSHO	T-0678-B2-P	49	49	290
7731	JUTE	RD	NEOSHO	T-0678-B1-P	42	76.8	673
7731	JUTE	RD	NEOSHO	T-0678-DZ-P	49	105	1170
7731	JUTE	RD	NEOSHO	T-0678-F2-P	51	345	6460
7731	JUTE	RD	NEOSHO	T-0678-F1-P	97.5	628	12600
7736	JUTE	RD	NEOSHO	T-0679-F2-P	47	154	583
7736	JUTE	RD	NEOSHO	T-0679-DZ-P	38	212	488
7736	JUTE	RD	NEOSHO	T-0679-B1-P	42	230	434
7736	JUTE	RD	NEOSHO	T-0679-B2-P	43	311	685
7736	JUTE	RD	NEOSHO	T-0679-F1-P	44	903	1770
8127	JUTE	RD.	NEOSHO	E-6644-F1-P	NT	56	428
8127	JUTE	RD.	NEOSHO	E-6644-DZ-P	NT	60	81
8127	JUTE	RD.	NEOSHO	E-6644-F2-P	NT	61	239
8127	JUTE	RD.	NEOSHO	E-6644-B2-P	NT	75	290
8127	JUTE	RD.	NEOSHO	E-6644-B1-P	NT	147	500
14742	KODIAK	RD	NEOSHO	N-4023-B1-P	73	97	132
14742	KODIAK	RD	NEOSHO	N-4023-F2-P	62	114	186
14742	KODIAK	RD	NEOSHO	N-4023-B2-P	63	138	158
14742	KODIAK	RD	NEOSHO	N-4023-F1-P	75	156	65
14742	KODIAK	RD	NEOSHO	N-4023-DZ-P	48	166	438
14800	KODIAK	RD	NEOSHO	N-4024-B2-P	69	83.6	126
14800	KODIAK	RD	NEOSHO	N-4024-F2-P	54	85.1	266
14800	KODIAK	RD	NEOSHO	N-4024-F1-P	58	103	221
14800	KODIAK	RD	NEOSHO	N-4024-B1-P	59	162	59
3772	LAWRENCE	RD	WENTWORTH	W-0949-F2-P	58	42.3	266
3772	LAWRENCE	RD	WENTWORTH	W-0949-B2-P	49	44.1	600
3772	LAWRENCE	RD	WENTWORTH	W-0949-DZ-P	59	46.5	1650
3772	LAWRENCE	RD	WENTWORTH	W-0949-F1-P	55	55.5	610
3772	LAWRENCE	RD	WENTWORTH	W-0949-B1-P	67	64.3	695

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5246	LAWRENCE	RD	WENTWORTH	W-0910-DZ-P	66	22	51
5246	LAWRENCE	RD	WENTWORTH	W-0910-F2-P	57	23	56
5246	LAWRENCE	RD	WENTWORTH	W-0910-B1-P	82	25.6	129
5246	LAWRENCE	RD	WENTWORTH	W-0910-F1-P	44	28.2	64
5246	LAWRENCE	RD	WENTWORTH	W-0910-B2-P	77	31.2	56
292	LAWRENCE 2200		WENTWORTH	W-0967-F1-P	81	26	270
292	LAWRENCE 2200		WENTWORTH	W-0967-B1-P	64	34.1	150
292	LAWRENCE 2200		WENTWORTH	W-0967-DZ-P	83	61.8	973
292	LAWRENCE 2200		WENTWORTH	W-0967-B2-P	76	107	1690
292	LAWRENCE 2200		WENTWORTH	W-0967-F2-P	61	143	1330
4	LAWRENCE 2200		WENTWORTH	W-0966-B1-P	78	92.7	5460
4	LAWRENCE 2200		WENTWORTH	W-0966-B2-P	87	109	916
4	LAWRENCE 2200		WENTWORTH	W-0966-F2-P	65	158	1790
4	LAWRENCE 2200		WENTWORTH	W-0966-F1-P	89	234	3030
4	LAWRENCE 2200		WENTWORTH	W-0966-DZ-P	120	1080	8020
4	LAWRENCE 2200		WENTWORTH	W-0966-DZ-C1	81.8	2670	24000
4	LAWRENCE 2200		WENTWORTH	W-0966-DZ-C2	77.8	3200	23500
7	LAWRENCE 2200		WENTWORTH	W-0968-B1-P	61	25	208
7	LAWRENCE 2200		WENTWORTH	W-0968-B2-P	69	27	162
7	LAWRENCE 2200		WENTWORTH	W-0968-F1-P	74	28.9	242
7	LAWRENCE 2200		WENTWORTH	W-0968-DZ-P	90	35.4	625
7	LAWRENCE 2200		WENTWORTH	W-0968-F2-P	69	36.2	4780
104	LEISURE	LN	SENECA	S-1024-F1-P	65	30.7	50
104	LEISURE	LN	SENECA	S-1024-B1-P	64	35.7	54.1
104	LEISURE	LN	SENECA	S-1024-DZ-P	66	41.7	62.7
104	LEISURE	LN	SENECA	S-1024-F2-P	41	43.3	50
104	LEISURE	LN	SENECA	S-1024-B2-P	52	82	11
107	LEISURE	LN	SENECA	S-1025-B2-P	73	23	56
107	LEISURE	LN	SENECA	S-1025-B1-P	62	25	105
107	LEISURE	LN	SENECA	S-1025-F2-P	57	25	58
107	LEISURE	LN	SENECA	S-1025-F1-P	70	29	79.9
107	LEISURE	LN	SENECA	S-1025-DZ-P	79	37.4	93.1
109	LEISURE	LN	SENECA	S-1027-B2-P	76	23	53
109	LEISURE	LN	SENECA	S-1027-F1-P	67	27.6	60.8
109	LEISURE	LN	SENECA	S-1027-B1-P	56	30.4	101
109	LEISURE	LN	SENECA	S-1027-F2-P	68	30.9	84.1
110	LEISURE	LN	SENECA	S-1028-B2-P	55	19.6	66.5
110	LEISURE	LN	SENECA	S-1028-DZ-P	58	24	114
110	LEISURE	LN	SENECA	S-1028-F2-P	47	25	58
110	LEISURE	LN	SENECA	S-1028-F1-P	67	36.9	62
110	LEISURE	LN	SENECA	S-1028-B1-P	60	38.6	54
112	LEISURE	LN	SENECA	S-1029-B1-P	82	24	94
112	LEISURE	LN	SENECA	S-1029-F1-P	55	45.6	849
112	LEISURE	LN	SENECA	S-1029-DZ-P	70	90.3	169
112	LEISURE	LN	SENECA	S-1029-F2-P	56	165	245
112	LEISURE	LN	SENECA	S-1029-B2-P	77	217	247
802	LEWIS		SENECA	S-1030-DZ-P	68	26.7	130
802	LEWIS		SENECA	S-1030-B1-P	51	45.3	84
802	LEWIS		SENECA	S-1030-F2-P	56	230	137
802	LEWIS		SENECA	S-1030-F2-C2	ND	297	179
802	LEWIS		SENECA	S-1030-F2-C1	0.86	400	228
802	LEWIS		SENECA	S-1030-B2-C2	9.6	431	2120
802	LEWIS		SENECA	S-1030-B2-C1	11.8	453	2570
802	LEWIS		SENECA	S-1030-B2-P	40	519	3040
806	LEWIS		SENECA	S-1031-DZ-P	79	39.5	181
806	LEWIS		SENECA	S-1031-B2-P	65	45.8	87.5
806	LEWIS		SENECA	S-1031-B1-P	73	70.7	115
806	LEWIS		SENECA	S-1031-F2-C2	ND	97.8	116

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
806		LEWIS		SENECA	S-1031-F1-P	64	122	245
806		LEWIS		SENECA	S-1031-F2-C1	ND	128	115
806		LEWIS		SENECA	S-1031-F2-P	61	259	101
807		LEWIS		SENECA	S-1032-DZ-P	57	49.9	240
807		LEWIS		SENECA	S-1032-F1-P	58	70.7	59
807		LEWIS		SENECA	S-1032-F2-P	66	82.1	250
807		LEWIS		SENECA	S-1032-B2-P	58	103	203
807		LEWIS		SENECA	S-1032-B1-P	73	153	138
818		LEWIS		SENECA	S-1033-B1-P	61	42.1	108
818		LEWIS		SENECA	S-1033-DZ-P	63	49	136
818		LEWIS		SENECA	S-1033-F1-P	62	59.4	100
818		LEWIS		SENECA	S-1033-B2-P	66	90.3	219
818		LEWIS		SENECA	S-1033-F2-P	60	200	674
5211		LONGVIEW CIRCLE		DIAMOND	D-4118-F1-P	NT	51	69
5211		LONGVIEW CIRCLE		DIAMOND	D-4118-B2-P	NT	52	69
5211		LONGVIEW CIRCLE		DIAMOND	D-4118-B1-P	NT	53	69
5211		LONGVIEW CIRCLE		DIAMOND	D-4118-DZ-P	NT	53	71
5211		LONGVIEW CIRCLE		DIAMOND	D-4118-F2-P	NT	620	3800
5216		LONGVIEW CIRCLE		DIAMOND	D-4101-B1-P	NT	50	60.7
5216		LONGVIEW CIRCLE		DIAMOND	D-4101-F1-P	NT	50	84
5216		LONGVIEW CIRCLE		DIAMOND	D-4101-B2-P	NT	52	163
5216		LONGVIEW CIRCLE		DIAMOND	D-4101-F2-P	NT	54	76.9
5216		LONGVIEW CIRCLE		DIAMOND	D-4101-DZ-P	NT	61	84
5220		LONGVIEW CIRCLE		DIAMOND	D-4099-B2-P	NT	59.1	76
5220		LONGVIEW CIRCLE		DIAMOND	D-4099-F1-P	NT	74.6	204
5220		LONGVIEW CIRCLE		DIAMOND	D-4099-DZ-P	NT	92.2	9
5220		LONGVIEW CIRCLE		DIAMOND	D-4099-F2-P	NT	102	66
5220		LONGVIEW CIRCLE		DIAMOND	D-4099-B1-P	NT	122	112
105		LORRAINE	DR	JOPLIN	J-0387-BY-P	59	42.3	188
105		LORRAINE	DR	JOPLIN	J-0387-F2-P	67	86.9	459
105		LORRAINE	DR	JOPLIN	J-0387-F1-P	66	112	677
105		LORRAINE	DR	JOPLIN	J-0387-DZ-P	85	212	779
107		LORRAINE	DR	JOPLIN	J-0388-B1-P	72	48.6	285
107		LORRAINE	DR	JOPLIN	J-0388-B2-P	66	50.6	122
107		LORRAINE	DR	JOPLIN	J-0388-F1-P	75	63.7	34
107		LORRAINE	DR	JOPLIN	J-0388-B1-CP	2.2	78.3	379
107		LORRAINE	DR	JOPLIN	J-0388-F2-P	75	128	877
4505		LORRAINE	DR	JOPLIN	J-0389-F1-P	65	109	244
4505		LORRAINE	DR	JOPLIN	J-0389-DZ-P	66	158	717
4505		LORRAINE	DR	JOPLIN	J-0389-F2-P	73	330	1320
5155		LUCAS	LN.	DIAMOND	D-4100-F2-P	NT	50	72
5155		LUCAS	LN.	DIAMOND	D-4100-F1-P	NT	51	77.3
5155		LUCAS	LN.	DIAMOND	D-4100-B2-P	NT	54	66
5155		LUCAS	LN.	DIAMOND	D-4100-DZ-P	NT	58	147
5155		LUCAS	LN.	DIAMOND	D-4100-B1-P	NT	922	5080
401	E	MARKET		WENTWORTH	W-0947-B1-P	73	25	61
401	E	MARKET		WENTWORTH	W-0947-F2-P	55	30.3	121
401	E	MARKET		WENTWORTH	W-0947-DZ-P	56	44.9	179
401	E	MARKET		WENTWORTH	W-0947-F1-P	69	49.7	437
401	E	MARKET		WENTWORTH	W-0947-B2-P	59	65.7	201
1396		MARTEN	RD	DIAMOND	D-0733-B2-P	52	26	62
1396		MARTEN	RD	DIAMOND	D-0733-DZ-P	58	32.6	54
1396		MARTEN	RD	DIAMOND	D-0733-F2-P	60	34.4	106
1396		MARTEN	RD	DIAMOND	D-0733-B1-P	72	64.5	247
1396		MARTEN	RD	DIAMOND	D-0733-F1-P	60	106	290
4294		MCCLELLAND	BLVD	JOPLIN	J-0367-F1-P	57	110	186
4294		MCCLELLAND	BLVD	JOPLIN	J-0367-F2-P	73	113	396
4294		MCCLELLAND	BLVD	JOPLIN	J-0367-B1-P	64	126	524

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4294	MCCLELLAND	BLVD	JOPLIN	J-0367-B2-P	64	170	278
4294	MCCLELLAND	BLVD	JOPLIN	J-0367-DZ-P	56	1690	691
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-F2-P	47	62.1	114
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-F1-P	35	79.9	217
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-F1-CP	ND	91.2	234
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-B2-P	40	148	474
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-DZ-P	43	170	912
4300	MCCLELLAND	BLVD	JOPLIN	J-0374-B1-P	50	177	1410
4308	MCCLELLAND	BLVD	JOPLIN	J-0376-F2-P	52	78.4	149
4308	MCCLELLAND	BLVD	JOPLIN	J-0376-F1-P	31	121	229
4308	MCCLELLAND	BLVD	JOPLIN	J-0376-B1-P	45	275	1100
4308	MCCLELLAND	BLVD	JOPLIN	J-0376-DZ-P	38	279	874
4308	MCCLELLAND	BLVD	JOPLIN	J-0376-B2-P	39	288	485
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-F1-P	42	23.1	
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-F2-P	39	25.7	189
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-B1-P	40	32	62.9
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-DZ-P	36	33.1	146
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-B2-CP	ND	38.6	397
5059	MCCLELLAND	BLVD	JOPLIN	J-0350-B2-P	32	41.6	274
5111	MCCLELLAND	BLVD	JOPLIN	J-0377-B1-P	88	56	159
5111	MCCLELLAND	BLVD	JOPLIN	J-0377-F1-P	73	79.9	992
5111	MCCLELLAND	BLVD	JOPLIN	J-0377-B2-P	66	83.4	221
5111	MCCLELLAND	BLVD	JOPLIN	J-0377-F2-P	60	89.6	540
5111	MCCLELLAND	BLVD	JOPLIN	J-0377-DZ-P	65	240	1220
5155	McCLELLAND	BLVD	JOPLIN	J-0170-B2-P	25	23.4	340
5155	McCLELLAND	BLVD	JOPLIN	J-0170-F2-P	40	23.6	360
5155	McCLELLAND	BLVD	JOPLIN	J-0170-DZ-P	29	33.1	475
5155	McCLELLAND	BLVD	JOPLIN	J-0170-B1-P	45	42	360
5155	McCLELLAND	BLVD	JOPLIN	J-0170-F1-P	48	58.6	340
5202	MCCLELLAND	BLVD	JOPLIN	J-0171-F2-P	49	36.5	91.5
5202	MCCLELLAND	BLVD	JOPLIN	J-0171-B2-P	35	37.1	97.9
5202	MCCLELLAND	BLVD	JOPLIN	J-0171-DZ-P	33	40.7	95.8
5202	MCCLELLAND	BLVD	JOPLIN	J-0171-B1-P	31	50.3	108
5202	MCCLELLAND	BLVD	JOPLIN	J-0171-F1-P	26	58.3	93.3
5212	MCCLELLAND	BLVD	JOPLIN	J-0172-DZ-P	37	41.2	628
5212	MCCLELLAND	BLVD	JOPLIN	J-0172-SW-P	29	47.8	241
5212	MCCLELLAND	BLVD	JOPLIN	J-0172-NW-P	28	51.2	321
5212	MCCLELLAND	BLVD	JOPLIN	J-0172-NE-P	39	60.7	570
5212	MCCLELLAND	BLVD	JOPLIN	J-0172-SE-P	50	77.8	430
5276	McCLELLAND	BLVD	JOPLIN	J-0175-B2-P	68	67.8	200
5276	McCLELLAND	BLVD	JOPLIN	J-0175-F2-P	73	77.8	196
5276	McCLELLAND	BLVD	JOPLIN	J-0175-F1-CP	72	84.7	167
5276	McCLELLAND	BLVD	JOPLIN	J-0175-F1-CP	1.4	116	317
5276	McCLELLAND	BLVD	JOPLIN	J-0175-DZ-P	72	184	862
5276	McCLELLAND	BLVD	JOPLIN	J-0175-B1-P	73	250	538
5390	MCCLELLAND	PK	JOPLIN	J-0204-F2-P	69	54.3	2770
5390	MCCLELLAND	PK	JOPLIN	J-0204-F1-P	73	58.6	388
5390	MCCLELLAND	PK	JOPLIN	J-0204-BY-P	43	80.2	335
5390	MCCLELLAND	PK	JOPLIN	J-0204-DZ-P	71	106	462
5400	MCCLELLAND	PK	JOPLIN	J-0205-DZ-P	66	44	251
5400	MCCLELLAND	PK	JOPLIN	J-0205-B1-P	58	46.8	165
5400	MCCLELLAND	PK	JOPLIN	J-0205-F2-P	84	135	471
5400	MCCLELLAND	PK	JOPLIN	J-0205-F1-P	65	139	737
5400	MCCLELLAND	PK	JOPLIN	J-0205-B2-P	84	150	306
5420	MCCLELLAND	PK	JOPLIN	J-0384-BY-P	65	45.5	325
5420	MCCLELLAND	PK	JOPLIN	J-0384-DZ-P	60	110	1470
5481	MCCLELLAND	PARKWAY	JOPLIN	E-6562-B1-P	NT	181	579
5481	MCCLELLAND	PARKWAY	JOPLIN	E-6562-F1-P	NT	245	1150

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
5461		MCCLELLAND	PARKWAY	JOPLIN	E-6562-B2-P	NT	261	539
5481		MCCLELLAND	PARKWAY	JOPLIN	E-6562-F2-P	NT	359	1490
5481		MCCLELLAND	PARKWAY	JOPLIN	E-6562-DZ-P	NT	1370	1780
5489		MCCLELLAND	PARK	JOPLIN	J-0208-F1-P	37	37.7	243
5489		MCCLELLAND	PARK	JOPLIN	J-0208-B2-P	42	188	1080
5489		MCCLELLAND	PARK	JOPLIN	J-0208-F2-P	38	245	978
5489		MCCLELLAND	PARK	JOPLIN	J-0208-DZ-P	37	365	1810
5489		MCCLELLAND	PARK	JOPLIN	J-0208-B1-P	69	603	3350
5269		McCLELLAND PARK	BLVD	JOPLIN	J-0174-F1-P	78	47.7	312
5269		McCLELLAND PARK	BLVD	JOPLIN	J-0174-B1-P	63	55.5	352
5269		McCLELLAND PARK	BLVD	JOPLIN	J-0174-F2-P	57	61.8	186
5269		McCLELLAND PARK	BLVD	JOPLIN	J-0174-B2-P	47	81.1	295
5269		McCLELLAND PARK	BLVD	JOPLIN	J-0174-DZ-P	56	119	416
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-B1-P	37.2	94.6	311
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-F2-P	47	130	428
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-DZ-P	40	135	691
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-DZ-CP	6.2	192	1010
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-B2-P	24	200	582
5308		MCCLELLAND PARK	BLVD	JOPLIN	J-0181-F1-P	38	201	1030
5320		MCCLELLAND PARK	BLVD.	JOPLIN	J-0182-FY-P	44	63.8	380
5320		MCCLELLAND PARK	BLVD.	JOPLIN	J-0182-BY-P	48	89.5	2260
5320		MCCLELLAND PARK	BLVD.	JOPLIN	J-0182-DZ-P	46	111	445
927	EAST	MCKINNEY	STREET	NEOSHO	N-4027-B1-P	84	18	50.1
927	EAST	MCKINNEY	STREET	NEOSHO	N-4027-B2-P	61	26	64
927	EAST	MCKINNEY	STREET	NEOSHO	N-4027-DZ-P	62	26.4	112
927	EAST	MCKINNEY	STREET	NEOSHO	N-4027-F1-P	60	30.2	182
927	EAST	MCKINNEY	STREET	NEOSHO	N-4027-F2-P	73	36.8	152
964		MCKINNEY		NEOSHO	N-4131-B2-P	228	73.7	488
964		MCKINNEY		NEOSHO	N-4131-B1-P	235	78	557
964		MCKINNEY		NEOSHO	N-4131-F1-P	148	106	216
964		MCKINNEY		NEOSHO	N-4131-F2-P	120	108	232
964		MCKINNEY		NEOSHO	N-4131-DZ-P	22	559	1010
4401		MIDDLETON	DR	JOPLIN	J-1441-F2-P	NT	63.5	102
4401		MIDDLETON	DR	JOPLIN	J-1441-F1-P	NT	109	175
4401		MIDDLETON	DR	JOPLIN	J-1441-DZ-P	NT	124	495
4401		MIDDLETON	DR	JOPLIN	J-1441-B2-P	NT	131	622
4401		MIDDLETON	DR	JOPLIN	J-1441-B1-P	NT	141	406
4404		MIDDLETON	DR	JOPLIN	J-1442-F1-P	NT	56.9	200
4404		MIDDLETON	DR	JOPLIN	J-1442-F2-P	NT	57	234
4404		MIDDLETON	DR	JOPLIN	J-1442-DZ-P	NT	59.7	562
4404		MIDDLETON	DR	JOPLIN	J-1442-B1-P	NT	75.2	321
4404		MIDDLETON	DR	JOPLIN	J-1442-B2-P	NT	81.8	474
4405		MIDDLETON	DR	JOPLIN	J-1443-F2-P	NT	72.2	168
4405		MIDDLETON	DR	JOPLIN	J-1443-DZ-P	NT	118	606
4405		MIDDLETON	DR	JOPLIN	J-1443-F1-P	NT	124	374
4405		MIDDLETON	DR	JOPLIN	J-1443-B2-P	NT	141	450
4405		MIDDLETON	DR	JOPLIN	J-1443-B1-P	NT	143	496
4502		MIDDLETON	DR	JOPLIN	J-1444-B2-P	NT	53	212
4502		MIDDLETON	DR	JOPLIN	J-1444-F1-P	NT	55	107
4502		MIDDLETON	DR	JOPLIN	J-1444-B1-P	NT	69	212
4502		MIDDLETON	DR	JOPLIN	J-1444-F2-P	NT	98.3	582
4502		MIDDLETON	DR	JOPLIN	J-1444-DZ-P	NT	113	399
4508		MIDDLETON	DR	JOPLIN	J-1446-B1-P	NT	76.1	310
4508		MIDDLETON	DR	JOPLIN	J-1446-DZ-P	NT	88.6	744
4508		MIDDLETON	DR	JOPLIN	J-1446-F1-P	NT	123	640
4508		MIDDLETON	DR	JOPLIN	J-1446-F2-P	NT	341	302
4508		MIDDLETON	DR	JOPLIN	J-1446-B2-P	NT	554	427
4609		MIDDLETON	DR	JOPLIN	J-1447-B2-P	NT	53	147

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4609	MIDDLETON	DR	JOPLIN	J-1447-DZ-P	NT	72.3	249
4609	MIDDLETON	DR	JOPLIN	J-1447-B1-P	NT	77.6	283
4609	MIDDLETON	DR	JOPLIN	J-1447-F1-P	NT	88.5	196
4609	MIDDLETON	DR	JOPLIN	J-1447-F2-P	NT	98.9	313
4612	MIDDLETON	DR	JOPLIN	J-1448-B2-P	NT	46	71.4
4612	MIDDLETON	DR	JOPLIN	J-1448-F2-P	NT	46	183
4612	MIDDLETON	DR	JOPLIN	J-1448-B1-P	NT	51	51
4612	MIDDLETON	DR	JOPLIN	J-1448-F1-P	NT	60.7	350
4612	MIDDLETON	DR	JOPLIN	J-1448-DZ-P	NT	98.9	616
1802	MINERAL	ST	SENECA	S-1035-F2-P	70	91	153
1802	MINERAL	ST	SENECA	S-1035-F1-P	57	124	267
1802	MINERAL	ST	SENECA	S-1035-B1-P	77	125	207
1802	MINERAL	ST	SENECA	S-1035-DZ-P	80	129	292
221	MINER'S	ROAD	GRANBY	G-1100-DZ-P	71	82.1	705
221	MINER'S	ROAD	GRANBY	G-1100-B1-P	82	118	1720
221	MINER'S	ROAD	GRANBY	G-1100-B2-P	80	138	1730
221	MINER'S	ROAD	GRANBY	G-1100-F1-P	69	181	2310
221	MINER'S	ROAD	GRANBY	G-1100-B1-CP	13.7	220	2840
221	MINER'S	ROAD	GRANBY	G-1100-F2-P	85	2020	1790
3212	MOFFET		JOPLIN	J-0408-B1-P	39	66	338
3212	MOFFET		JOPLIN	J-0408-F1-P	42	81.3	385
3316	MOFFET		JOPLIN	J-0411-B1-P	42	40.5	189
3316	MOFFET		JOPLIN	J-0411-F1-P	41	43.4	209
3320	MOFFET		JOPLIN	J-0412-B1-P	28	85.3	424
3320	MOFFET		JOPLIN	J-0412-F1-P	39	90.9	243
3321	MOFFET		JOPLIN	J-0413-F1-P	41	197	2090
3321	MOFFET		JOPLIN	J-0413-B1-P	45	379	1880
3332	MOFFET		JOPLIN	J-0393-F1-P	85	90.6	369
3332	MOFFET		JOPLIN	J-0393-B1-P	65	104	560
3332	MOFFET		JOPLIN	J-0393-F2-P	70	116	477
3332	MOFFET		JOPLIN	J-0393-F1-CP	ND	119	490
3332	MOFFET		JOPLIN	J-0393-B2-P	64	189	406
3332	MOFFET		JOPLIN	J-0393-DZ-P	83	428	1030
3401	MOFFET		JOPLIN	J-0415-F1-P	42	160	547
3401	MOFFET		JOPLIN	J-0415-B1-P	46	438	1070
3427	MOFFET		JOPLIN	J-0417-F1-P	40	114	502
3427	MOFFET		JOPLIN	J-0417-B1-P	42	191	553
3427	MOFFET		JOPLIN	J-0417-B1-CP	5.7	250	1050
6302	MT. VERNON	DR	JOPLIN	J-0329-DZ-P	49	44.3	139
6302	MT. VERNON	DR	JOPLIN	J-0329-F1-P	56	60.6	499
6302	MT. VERNON	DR	JOPLIN	J-0329-B1-P	51	92	515
6302	MT. VERNON	DR	JOPLIN	J-0329-B2-P	48	106	163
6302	MT. VERNON	DR	JOPLIN	J-0329-F2-P	56	107	94.1
6309	MT. VERNON	DR	JOPLIN	J-0327-F2-P	46	45.8	1970
6309	MT. VERNON	DR	JOPLIN	J-0327-DZ-P	76	50.5	2590
6309	MT. VERNON	DR	JOPLIN	J-0327-B2-P	49	51.6	208
6309	MT. VERNON	DR	JOPLIN	J-0327-B1-P	45	80.2	283
6309	MT. VERNON	DR	JOPLIN	J-0327-F1-P	57	197	184
6310	MT. VERNON	DR	JOPLIN	J-0328-B1-P	48	22	63.7
6310	MT. VERNON	DR	JOPLIN	J-0328-F1-P	46	24	56
6310	MT. VERNON	DR	JOPLIN	J-0328-F2-P	64	24	56
6310	MT. VERNON	DR	JOPLIN	J-0328-DZ-P	73	32.2	52
6310	MT. VERNON	DR	JOPLIN	J-0328-B2-P	55	37.5	53
6318	MT. VERNON	DR	JOPLIN	J-0330-F1-P	62	24.2	86.2
6318	MT. VERNON	DR	JOPLIN	J-0330-B2-P	69	25	131
6318	MT. VERNON	DR	JOPLIN	J-0330-B1-P	48	28.9	53
6318	MT. VERNON	DR	JOPLIN	J-0330-DZ-P	90	47.3	2470
6318	MT. VERNON	DR	JOPLIN	J-0330-F2-P	61	56.4	187

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
6328	MT. VERNON	DR	JOPLIN	J-0332-B1-P	47	28.7	60
6328	MT. VERNON	DR	JOPLIN	J-0332-F1-P	70	69.1	280
6328	MT. VERNON	DR	JOPLIN	J-0332-F2-P	53	102	579
6328	MT. VERNON	DR	JOPLIN	J-0332-DZ-P	67	253	1010
6328	MT. VERNON	DR	JOPLIN	J-0332-B2-P	61	267	1070
6330	MT. VERNON	DR	JOPLIN	J-0333-B2-P	34	37	663
6330	MT. VERNON	DR	JOPLIN	J-0333-DZ-P	38	67.3	759
6330	MT. VERNON	DR	JOPLIN	J-0333-B1-P	37	68.5	662
6330	MT. VERNON	DR	JOPLIN	J-0333-F2-P	50	146	1940
6330	MT. VERNON	DR	JOPLIN	J-0333-F1-P	45	164	2400
6340	MT. VERNON	DR	JOPLIN	J-0334-DZ-P	54	44.2	1510
6340	MT. VERNON	DR	JOPLIN	J-0334-B2-P	60	45.4	795
6340	MT. VERNON	DR	JOPLIN	J-0334-B1-P	55	49.8	1720
6340	MT. VERNON	DR	JOPLIN	J-0334-F1-P	51	67.8	1280
6340	MT. VERNON	DR	JOPLIN	J-0334-F2-P	48	167	974
105	N STREET		STARK CITY	K-0812-B1-P	64	32.4	71.6
105	N STREET		STARK CITY	K-0812-B2-P	72	34.1	58
105	N STREET		STARK CITY	K-0812-DZ-P	60	37.6	62
105	N STREET		STARK CITY	K-0812-F2-P	95	40.6	103
105	N STREET		STARK CITY	K-0812-F1-P	46	43.6	106
4451	NEWTON	RD	JOPLIN	J-0124-F1-P	54	78.5	426
4451	NEWTON	RD	JOPLIN	J-0124-B1-P	66	104	204
4451	NEWTON	RD	JOPLIN	J-0124-B2-P	54	106	285
4451	NEWTON	RD	JOPLIN	J-0124-F2-P	57	113	2880
4451	NEWTON	RD	JOPLIN	J-0124-DZ-P	56	2820	2710
6591	NIGHTHAWK	RD	NEOSHO	D-0706-DZ-P	72	49.7	686
6591	NIGHTHAWK	RD	NEOSHO	D-0706-F2-CP	18.3	53.6	2590
6591	NIGHTHAWK	RD	NEOSHO	D-0706-B1-P	68	56.8	236
6591	NIGHTHAWK	RD	NEOSHO	D-0706-F2-P	78	58.5	1530
6591	NIGHTHAWK	RD	NEOSHO	D-0706-B2-P	64	64.5	228
6591	NIGHTHAWK	RD	NEOSHO	D-0706-F1-P	53	65	615
3402	NORMAN		JOPLIN	J-1449-F2-P	159	39.6	254
3402	NORMAN		JOPLIN	J-1449-F1-P	130	48.1	117
3402	NORMAN		JOPLIN	J-1449-B2-P	170	57.1	186
3402	NORMAN		JOPLIN	J-1449-B1-P	130	60.6	421
3402	NORMAN		JOPLIN	J-1449-DZ-P	120	131	375
3409	NORMAN	DR.	JOPLIN	J-1450-F2-P	384	26	99
3409	NORMAN	DR.	JOPLIN	J-1450-F1-P	228	28	79.2
3409	NORMAN	DR.	JOPLIN	J-1450-B2-P	299	30.1	134
3409	NORMAN	DR.	JOPLIN	J-1450-B1-P	130	30.2	75.1
3409	NORMAN	DR.	JOPLIN	J-1450-DZ-P	110	35	82.1
3502	NORMAN	DR.	JOPLIN	J-1451-B1-P	420	24	102
3502	NORMAN	DR.	JOPLIN	J-1451-DZ-P	616	27	127
3502	NORMAN	DR.	JOPLIN	J-1451-F2-P	444	27	86
3502	NORMAN	DR.	JOPLIN	J-1451-F1-P	265	29	99.5
3502	NORMAN	DR.	JOPLIN	J-1451-B2-P	199	45.6	134
3714	NORMAN	DR.	JOPLIN	J-1452-B1-P	276	25	91.4
3714	NORMAN	DR.	JOPLIN	J-1452-F1-P	470	26	72.7
3714	NORMAN	DR.	JOPLIN	J-1452-DZ-P	228	28	129
3714	NORMAN	DR.	JOPLIN	J-1452-F2-P	563	28	69
3714	NORMAN	DR.	JOPLIN	J-1452-B2-P	247	29	199
3730	NORMAN	DR.	JOPLIN	J-1453-B2-P	303	29.1	158
3730	NORMAN	DR.	JOPLIN	J-1453-B1-P	300	72	407
3730	NORMAN	DR.	JOPLIN	J-1453-F1-P	128	111	589
3730	NORMAN	DR.	JOPLIN	J-1453-F2-P	393	553	294
26026	NORWAY	RD.	STARK CITY	K-4124-B2-P	NT	67.1	126
26026	NORWAY	RD.	STARK CITY	K-4124-F2-P	NT	75.9	406
26026	NORWAY	RD.	STARK CITY	K-4124-B1-P	NT	88	543

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
26026		NORWAY	RD.	STARK CITY	K-4124-F1-P	NT	109	212
26026		NORWAY	RD.	STARK CITY	K-4124-DZ-P	NT	781	864
26511		NORWAY	RD	STARK CITY	K-0803-F1-P	58	25	83.7
26511		NORWAY	RD	STARK CITY	K-0803-F2-P	73	25	58
26511		NORWAY	RD	STARK CITY	K-0803-B2-P	75	34.3	61
26511		NORWAY	RD	STARK CITY	K-0803-DZ-P	78	90.7	924
26511		NORWAY	RD	STARK CITY	K-0803-B1-P	77	96.3	2600
26585		NORWAY	RD	STARK CITY	K-0804-F2-P	52	45	538
26585		NORWAY	RD	STARK CITY	K-0804-B2-P	73	50.2	1920
26585		NORWAY	RD	STARK CITY	K-0804-B1-P	69	55	435
26585		NORWAY	RD	STARK CITY	K-0804-F1-P	71	60.7	689
26585		NORWAY	RD	STARK CITY	K-0804-F1-CP	3	79.8	1110
26845		NORWAY	RD	STARK CITY	K-0810-DZ-P	63	57.8	1280
26845		NORWAY	RD	STARK CITY	K-0810-F2-P	62	69	477
26845		NORWAY	RD	STARK CITY	K-0810-F1-P	57	69.7	157
26845		NORWAY	RD	STARK CITY	K-0810-B1-P	76	103	1500
26845		NORWAY	RD	STARK CITY	K-0810-B2-P	54	106	886
11925		OAK	ST.	RACINE	E-6896-B2-P	NT	48.15	120
11925		OAK	ST.	RACINE	E-6896-DZ-P	NT	49	238
11925		OAK	ST.	RACINE	E-6896-B1-P	NT	50	126
11925		OAK	ST.	RACINE	E-6896-F1-P	NT	68.7	209
11925		OAK	ST.	RACINE	E-6896-F2-P	NT	101	331
54		OAK HILL		SENECA	S-1037-B1-P	71	25	110
54		OAK HILL		SENECA	S-1037-F1-P	66	29.9	72.4
54		OAK HILL		SENECA	S-1037-B2-P	65	32.1	113
54		OAK HILL		SENECA	S-1037-DZ-P	56	40.1	93
54		OAK HILL		SENECA	S-1037-F2-P	66	68.9	66
1018		OAK PARK	DR	JOPLIN	E-6506-B2-P	NT	52	260
1018		OAK PARK	DR	JOPLIN	E-6506-F1-P	NT	55.9	227
1018		OAK PARK	DR	JOPLIN	E-6506-DZ-P	NT	57	378
1018		OAK PARK	DR	JOPLIN	E-6506-B1-P	NT	66.1	319
1018		OAK PARK	DR	JOPLIN	E-6506-F2-P	NT	71.1	159
1160		OAK PARK	DR	JOPLIN	E-6450-F1-P	67	49.3	241
1160		OAK PARK	DR	JOPLIN	E-6450-B1-P	69	61.6	276
1160		OAK PARK	DR	JOPLIN	E-6450-DZ-P	58	63	343
1160		OAK PARK	DR	JOPLIN	E-6450-B2-P	64	76.2	317
1160		OAK PARK	DR	JOPLIN	E-6450-F2-P	62	90.7	432
3317		OAK RIDGE	DR	JOPLIN	J-1461-DZ-P	NT	51	119
3317		OAK RIDGE	DR	JOPLIN	J-1461-B2-P	NT	138	586
3317		OAK RIDGE	DR	JOPLIN	J-1461-B1-P	NT	163	711
3317		OAK RIDGE	DR	JOPLIN	J-1461-F1-P	NT	185	973
3317		OAK RIDGE	DR	JOPLIN	J-1461-F2-P	NT	282	1000
3325		OAK RIDGE	DR	JOPLIN	J-1462-F1-P	NT	82.6	484
3325		OAK RIDGE	DR	JOPLIN	J-1462-F2-P	NT	138	914
3325		OAK RIDGE	DR	JOPLIN	J-1462-B1-P	NT	160	571
3325		OAK RIDGE	DR	JOPLIN	J-1462-B2-P	NT	202	716
3325		OAK RIDGE	DR	JOPLIN	J-1462-DZ-P	NT	206	1360
3329		OAK RIDGE	DR	JOPLIN	J-1463-F2-P	NT	274	1050
3329		OAK RIDGE	DR	JOPLIN	J-1463-B1-P	NT	323	1360
3329		OAK RIDGE	DR	JOPLIN	J-1463-F1-P	NT	351	225
3333		OAK RIDGE	DR	JOPLIN	J-1464-B1-P	NT	76.4	702
3333		OAK RIDGE	DR	JOPLIN	J-1464-DZ-P	NT	80.5	657
3333		OAK RIDGE	DR	JOPLIN	J-1464-F2-P	NT	172	465
3333		OAK RIDGE	DR	JOPLIN	J-1464-F1-P	NT	214	544
3334	S	OAK RIDGE	DR	JOPLIN	J-1465-B1-P	NT	164	621
3334	S	OAK RIDGE	DR	JOPLIN	J-1465-F1-P	NT	191	594
3334	S	OAK RIDGE	DR	JOPLIN	J-1465-F2-P	NT	278	1420
3334	S	OAK RIDGE	DR	JOPLIN	J-1465-DZ-P	NT	507	1150

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3336	OAK RIDGE	DR	JOPLIN	J-1466-F1-P	NT	227	886
3336	OAK RIDGE	DR	JOPLIN	J-1466-F2-P	NT	393	1900
3336	OAK RIDGE	DR	JOPLIN	J-1466-DZ-P	NT	487	1280
3336	OAK RIDGE	DR	JOPLIN	J-1466-B2-P	NT	605	2340
3336	OAK RIDGE	DR	JOPLIN	J-1466-B1-P	NT	641	1220
3337	OAK RIDGE	DR	JOPLIN	J-1467-F2-P	NT	232	693
3337	OAK RIDGE	DR	JOPLIN	J-1467-F1-P	NT	275	797
3337	OAK RIDGE	DR	JOPLIN	J-1467-B2-P	NT	430	1840
3337	OAK RIDGE	DR	JOPLIN	J-1467-B1-P	NT	546	4760
3337	OAK RIDGE	DR	JOPLIN	J-1467-DZ-P	NT	1040	1940
3340	OAK RIDGE	DR	JOPLIN	J-1468-B1-P	NT	101	336
3340	OAK RIDGE	DR	JOPLIN	J-1468-F2-P	NT	120	456
3340	OAK RIDGE	DR	JOPLIN	J-1468-F1-P	NT	131	471
3340	OAK RIDGE	DR	JOPLIN	J-1468-B2-P	NT	138	450
3340	OAK RIDGE	DR	JOPLIN	J-1468-DZ-P	NT	216	878
3414	OAK RIDGE	DR	JOPLIN	J-1469-F2-P	NT	105	348
3414	OAK RIDGE	DR	JOPLIN	J-1469-F1-P	NT	170	647
3414	OAK RIDGE	DR	JOPLIN	J-1469-B2-P	NT	336	1680
3414	OAK RIDGE	DR	JOPLIN	J-1469-DZ-P	NT	379	2940
3414	OAK RIDGE	DR	JOPLIN	J-1469-B1-P	NT	659	3690
3434	OAK RIDGE	DR	JOPLIN	J-1471-B2-P	NT	252	1210
3434	OAK RIDGE	DR	JOPLIN	J-1471-DZ-P	NT	264	1450
3434	OAK RIDGE	DR	JOPLIN	J-1471-B1-P	NT	275	1090
3434	OAK RIDGE	DR	JOPLIN	J-1471-F2-P	NT	350	1580
3434	OAK RIDGE	DR	JOPLIN	J-1471-F1-P	NT	379	1600
3440	OAK RIDGE	DR	JOPLIN	J-1473-F2-P	NT	89.7	159
3440	OAK RIDGE	DR	JOPLIN	J-1473-DZ-P	NT	99.8	359
3440	OAK RIDGE	DR	JOPLIN	J-1473-F1-P	NT	148	789
3440	OAK RIDGE	DR	JOPLIN	J-1473-B2-P	NT	429	891
3440	OAK RIDGE	DR	JOPLIN	J-1473-B1-P	NT	1660	2450
3527	OAK RIDGE	DR	JOPLIN	J-1474-F2-P	NT	95.7	454
3527	OAK RIDGE	DR	JOPLIN	J-1474-B2-P	NT	107	1600
3527	OAK RIDGE	DR	JOPLIN	J-1474-B1-P	NT	134	731
3527	OAK RIDGE	DR	JOPLIN	J-1474-DZ-P	NT	201	1580
3527	OAK RIDGE	DR	JOPLIN	J-1474-F1-P	NT	225	1410
3534	OAK RIDGE	DR	JOPLIN	J-1475-B2-P	NT	90	488
3534	OAK RIDGE	DR	JOPLIN	J-1475-DZ-P	NT	173	846
3534	OAK RIDGE	DR	JOPLIN	J-1475-F2-P	NT	181	914
3534	OAK RIDGE	DR	JOPLIN	J-1475-B1-P	NT	228	1040
3534	OAK RIDGE	DR	JOPLIN	J-1475-F1-P	NT	306	1240
3535	OAK RIDGE	DR	JOPLIN	J-1476-F2-P	NT	44	3130
3535	OAK RIDGE	DR	JOPLIN	J-1476-B1-P	NT	368	1500
3535	OAK RIDGE	DR	JOPLIN	J-1476-B2-P	NT	426	2190
3535	OAK RIDGE	DR	JOPLIN	J-1476-F1-P	NT	498	3070
3535	OAK RIDGE	DR	JOPLIN	J-1476-DZ-P	NT	572	3710
4	OAK TRAIL		JOPLIN	E-7399-F1-P	NT	42	48
4	OAK TRAIL		JOPLIN	E-7399-B2-P	NT	46	102
4	OAK TRAIL		JOPLIN	E-7399-DZ-P	NT	48	56
4	OAK TRAIL		JOPLIN	E-7399-B1-P	NT	49	69.6
4	OAK TRAIL		JOPLIN	E-7399-F2-P	NT	49	52
3201	OAKRIDGE		JOPLIN	J-1454-F2-P	165	282	1040
3201	OAKRIDGE		JOPLIN	J-1454-F1-P	250	405	1570
3201	OAKRIDGE		JOPLIN	J-1454-DZ-P	172	480	1720
3202	OAKRIDGE		JOPLIN	J-1455-F1-P	275	247	1170
3202	OAKRIDGE		JOPLIN	J-1455-B2-P	120	275	1610
3202	OAKRIDGE		JOPLIN	J-1455-F2-P	208	331	1300
3202	OAKRIDGE		JOPLIN	J-1455-B1-P	191	345	1340
3202	OAKRIDGE		JOPLIN	J-1455-DZ-P	127	518	1370

Address				City	Sample Number	Cadmium	Lead	Zinc
3205		OAKRIDGE		JOPLIN	J-1456-B1-P	301	286	748
3205		OAKRIDGE		JOPLIN	J-1456-B2-P	305	433	979
3205		OAKRIDGE		JOPLIN	J-1456-F2-P	160	778	1490
3205		OAKRIDGE		JOPLIN	J-1456-F1-P	120	823	1070
3205		OAKRIDGE		JOPLIN	J-1456-DZ-P	120	1020	1570
3206		OAKRIDGE	DR.	JOPLIN	J-1457-F1-P	199	131	417
3206		OAKRIDGE	DR.	JOPLIN	J-1457-F2-P	143	197	607
3206		OAKRIDGE	DR.	JOPLIN	J-1457-DZ-P	273	208	438
3206		OAKRIDGE	DR.	JOPLIN	J-1457-B1-P	110	350	1670
3206		OAKRIDGE	DR.	JOPLIN	J-1457-B2-P	140	458	900
1830	S	OLIVER	ST	JOPLIN	J-0370-B2-P	47	86.1	167
1830	S	OLIVER	ST	JOPLIN	J-0370-F1-P	39	95.2	395
1830	S	OLIVER	ST	JOPLIN	J-0370-B1-P	37	145	493
1830	S	OLIVER	ST	JOPLIN	J-0370-F2-P	51	174	149
1830	S	OLIVER	ST	JOPLIN	J-0370-DZ-P	48	258	635
1890	S	OLIVER	ST	JOPLIN	J-0368-F1-P	50	185	1030
1890	S	OLIVER	ST	JOPLIN	J-0368-B1-P	39	214	750
1890	S	OLIVER	ST	JOPLIN	J-0368-DZ-P	29	245	1060
1890	S	OLIVER	ST	JOPLIN	J-0368-F2-P	42	259	874
1890	S	OLIVER	ST	JOPLIN	J-0368-B2-P	38	580	1470
1890	S	OLIVER	ST	JOPLIN	J-0368-B2-CP	34.6	603	5330
1892	S	OLIVER	ST	JOPLIN	J-0369-BY-P	52	98.4	966
1892	S	OLIVER	ST	JOPLIN	J-0369-DZ-P	39	215	982
1892	S	OLIVER	ST	JOPLIN	J-0369-FY-P	32	318	1300
13198		OTTER	DR	NEOSHO	G-4008-B2-P	52	24.9	175
13198		OTTER	DR	NEOSHO	G-4008-F1-P	53	28.2	69.8
13198		OTTER	DR	NEOSHO	G-4008-DZ-P	48	31.1	105
13198		OTTER	DR	NEOSHO	G-4008-B1-P	54	36.7	169
13198		OTTER	DR	NEOSHO	G-4008-F2-P	68	39.4	95.9
3486		PANDA	RD	DIAMOND	D-4036-B1-P	NT	50.1	89.4
3486		PANDA	RD	DIAMOND	D-4036-DZ-P	NT	52	328
3486		PANDA	RD	DIAMOND	D-4036-F1-P	NT	54	152
3486		PANDA	RD	DIAMOND	D-4036-F2-P	NT	62.7	274
3486		PANDA	RD	DIAMOND	D-4036-B2-P	NT	74	267
3201		PEARL		JOPLIN	J-0414-BY-P	68	97.9	455
3201		PEARL		JOPLIN	J-0414-DZ-P	67	157	523
3201		PEARL		JOPLIN	J-0414-FY-P	69	214	801
3202		PEARL		JOPLIN	J-0419-FY-P	90	84	648
3202		PEARL		JOPLIN	J-0419-DZ-P	66	148	1260
3202		PEARL		JOPLIN	J-0419-BY-P	58	240	1440
3229		PEARL		JOPLIN	J-0420-FY-P	66	59.2	349
3229		PEARL		JOPLIN	J-0420-DZ-P	53	63.6	408
3229		PEARL		JOPLIN	J-0420-BY-P	58	137	600
3237	S.	PEARL		JOPLIN	J-0421-BY-P	73	199	942
3237	S.	PEARL		JOPLIN	J-0421-FY-P	69	249	574
3237	S	PEARL		JOPLIN	J-0421-DZ-P	58	500	1290
3306		PEARL	AVE	JOPLIN	J-0422-DZ-P	NT	57	474
3306		PEARL	AVE	JOPLIN	J-0422-F1-P	NT	63.1	249
3306		PEARL	AVE	JOPLIN	J-0422-F2-P	NT	72.1	894
3306		PEARL	AVE	JOPLIN	J-0422-B2-P	NT	74.2	286
3306		PEARL	AVE	JOPLIN	J-0422-B1-P	NT	108	480
3317	S	PEARL		JOPLIN	J-0423-F2-P	NT	66.5	257
3317	S	PEARL		JOPLIN	J-0423-F1-P	NT	95.1	410
3317	S	PEARL		JOPLIN	J-0423-B1-P	NT	101	519
3317	S	PEARL		JOPLIN	J-0423-B2-P	NT	186	1030
3317	S	PEARL		JOPLIN	J-0423-DZ-P	NT	477	1460
3321	S.	PEARL		JOPLIN	J-0424-F1-P	NT	112	500
3321	S.	PEARL		JOPLIN	J-0424-B1-P	NT	388	2410

Address				City	Sample Number	Cadmium	Lead	Zinc
3321	S.	PEARL		JOPLIN	J-0424-DZ-P	NT	670	1570
3322	S	PEARL		JOPLIN	J-0425-F1-P	NT	131	1020
3322	S	PEARL		JOPLIN	J-0425-F2-P	NT	175	657
3322	S	PEARL		JOPLIN	J-0425-B2-P	NT	249	822
3322	S	PEARL		JOPLIN	J-0425-DZ-P	NT	294	1420
3322	S	PEARL		JOPLIN	J-0425-B1-P	NT	431	1440
3339	S	PEARL		JOPLIN	J-0426-DZ-P	NT	67.1	232
3339	S	PEARL		JOPLIN	J-0426-F2-P	NT	225	237
3339	S	PEARL		JOPLIN	J-0426-F1-P	NT	228	622
3339	S	PEARL		JOPLIN	J-0426-B1-P	NT	294	1160
3339	S	PEARL		JOPLIN	J-0426-B2-P	NT	329	440
3343	S	PEARL		JOPLIN	J-0427-F2-P	NT	50.4	229
3343	S	PEARL		JOPLIN	J-0427-F1-P	NT	72.9	351
3343	S	PEARL		JOPLIN	J-0427-B2-P	NT	86.3	471
3343	S	PEARL		JOPLIN	J-0427-DZ-P	NT	87	360
3343	S	PEARL		JOPLIN	J-0427-B1-P	NT	105	421
3410	S	PEARL		JOPLIN	J-0428-B1-P	NT	107	849
3410	S	PEARL		JOPLIN	J-0428-B2-P	NT	164	673
3410	S	PEARL		JOPLIN	J-0428-F2-P	NT	191	1330
3410	S	PEARL		JOPLIN	J-0428-DZ-P	NT	220	1210
3410	S	PEARL		JOPLIN	J-0428-F1-P	NT	271	2290
3417	S	PEARL		JOPLIN	J-0429-F2-P	NT	142	609
3417	S	PEARL		JOPLIN	J-0429-F1-P	NT	162	418
3417	S	PEARL		JOPLIN	J-0429-B1-P	NT	183	1260
3417	S	PEARL		JOPLIN	J-0429-DZ-P	NT	214	1300
3417	S	PEARL		JOPLIN	J-0429-B2-P	NT	253	1150
3424		PEARL	AVE	JOPLIN	J-0430-B2-P	NT	63	485
3424		PEARL	AVE	JOPLIN	J-0430-B1-P	NT	65.9	563
3424		PEARL	AVE	JOPLIN	J-0430-F2-P	NT	129	739
3424		PEARL	AVE	JOPLIN	J-0430-F1-P	NT	141	1060
3424		PEARL	AVE	JOPLIN	J-0430-DZ-P	NT	199	319
3502		PEARL	AVE	JOPLIN	J-0431-B2-P	NT	78.4	588
3502		PEARL	AVE	JOPLIN	J-0431-B1-P	NT	116	512
3502		PEARL	AVE	JOPLIN	J-0431-F1-P	NT	118	349
3502		PEARL	AVE	JOPLIN	J-0431-DZ-P	NT	236	1280
3502		PEARL	AVE	JOPLIN	J-0431-F2-P	NT	361	3310
3515		PEARL	AVE	JOPLIN	J-0432-DZ-P	NT	61.1	464
3515		PEARL	AVE	JOPLIN	J-0432-F1-P	NT	107	464
3515		PEARL	AVE	JOPLIN	J-0432-B1-P	NT	108	309
3515		PEARL	AVE	JOPLIN	J-0432-F2-P	NT	125	735
3515		PEARL	AVE	JOPLIN	J-0432-B2-P	NT	476	1560
3519		PEARL	AVE	JOPLIN	J-0433-B1-P	NT	135	536
3519		PEARL	AVE	JOPLIN	J-0433-F2-P	NT	140	344
3519		PEARL	AVE	JOPLIN	J-0433-B2-P	NT	173	777
3519		PEARL	AVE	JOPLIN	J-0433-F1-P	NT	196	1120
3519		PEARL	AVE	JOPLIN	J-0433-DZ-P	NT	246	1230
3525		PEARL	AVE	JOPLIN	J-0434-B1-P	NT	65.2	164
3525		PEARL	AVE	JOPLIN	J-0434-F1-P	NT	87	281
3525		PEARL	AVE	JOPLIN	J-0434-F2-P	NT	146	1050
3525		PEARL	AVE	JOPLIN	J-0434-DZ-P	NT	156	654
3525		PEARL	AVE	JOPLIN	J-0434-B2-P	NT	304	3030
3526	S	PEARL		JOPLIN	J-0435-F1-P	NT	66	178
3526	S	PEARL		JOPLIN	J-0435-F2-P	NT	80.7	632
3526	S	PEARL		JOPLIN	J-0435-B2-P	NT	101	313
3526	S	PEARL		JOPLIN	J-0435-DZ-P	NT	119	554
3526	S	PEARL		JOPLIN	J-0435-B1-P	NT	270	1230
3530		PEARL		JOPLIN	J-0436-F1-P	NT	100	454
3530		PEARL		JOPLIN	J-0436-B2-P	NT	205	890

Address				City	Sample Number	Cadmium	Lead	Zinc
3530		PEARL		JOPLIN	J-0436-F2-P	NT	232	1060
3530		PEARL		JOPLIN	J-0436-B1-P	NT	324	874
3530		PEARL		JOPLIN	J-0436-DZ-P	NT	579	3150
3538		PEARL		JOPLIN	J-0437-F2-P	NT	65	476
3538		PEARL		JOPLIN	J-0437-B1-P	NT	117	298
3538		PEARL		JOPLIN	J-0437-DZ-P	NT	120	486
3538		PEARL		JOPLIN	J-0437-F1-P	NT	168	439
3538		PEARL		JOPLIN	J-0437-B2-P	NT	226	825
3542		PEARL		JOPLIN	J-0438-B2-P	NT	82.2	260
3542		PEARL		JOPLIN	J-0438-F2-P	NT	110	332
3542		PEARL		JOPLIN	J-0438-F1-P	NT	115	63
3542		PEARL		JOPLIN	J-0438-B1-P	NT	396	905
3542		PEARL		JOPLIN	J-0438-DZ-P	NT	404	897
3546		PEARL		JOPLIN	J-0439-F2-P	NT	136	740
3546		PEARL		JOPLIN	J-0439-B1-P	NT	158	436
3546		PEARL		JOPLIN	J-0439-F1-P	NT	184	879
3546		PEARL		JOPLIN	J-0439-B2-P	NT	251	858
3546		PEARL		JOPLIN	J-0439-DZ-P	NT	295	1560
4530	S	PEARL		JOPLIN	J-0442-F1-P	NT	53	127
4530	S	PEARL		JOPLIN	J-0442-F2-P	NT	69.1	69.1
4530	S	PEARL		JOPLIN	J-0442-B1-P	NT	72.6	205
4530	S	PEARL		JOPLIN	J-0442-B2-P	NT	80.9	2080
4530	S	PEARL		JOPLIN	J-0442-DZ-P	NT	161	5480
7832		PELICAN	RD	GRANBY	G-4031-DZ-P	NT	57	122
7832		PELICAN	RD	GRANBY	G-4031-F2-P	NT	68.8	605
7832		PELICAN	RD	GRANBY	G-4031-B2-P	NT	91.3	623
7832		PELICAN	RD	GRANBY	G-4031-F1-P	NT	99	818
7832		PELICAN	RD	GRANBY	G-4031-B1-P	NT	264	2580
4793		PELLICAN	RD	DIAMOND	D-4037-B2-P	NT	53	132
4793		PELLICAN	RD	DIAMOND	D-4037-B1-P	NT	54	99.8
4793		PELLICAN	RD	DIAMOND	D-4037-F1-P	NT	76.6	377
4793		PELLICAN	RD	DIAMOND	D-4037-F2-P	NT	82	797
4793		PELLICAN	RD	DIAMOND	D-4037-DZ-P	NT	106	361
4030		PENNSYIVANIA	AVE	JOPLIN	J-1514-F2-P	73	98.9	610
4030		PENNSYIVANIA	AVE	JOPLIN	J-1514-B2-P	66	148	850
4030		PENNSYIVANIA	AVE	JOPLIN	J-1514-B1-P	51	150	1650
4030		PENNSYIVANIA	AVE	JOPLIN	J-1514-F1-P	52	152	1070
4030		PENNSYIVANIA	AVE	JOPLIN	J-1514-DZ-P	57	195	1030
117		PLAZA	DR.	JOPLIN	J-1477-F1-P	NT	61.9	376
117		PLAZA	DR.	JOPLIN	J-1477-DZ-P	NT	107	848
117		PLAZA	DR.	JOPLIN	J-1477-B2-P	NT	137	600
117		PLAZA	DR.	JOPLIN	J-1477-B1-P	NT	162	997
117		PLAZA	DR.	JOPLIN	J-1477-F2-P	NT	185	1150
317		PLAZA	DR.	JOPLIN	J-1479-B1-P	NT	93.7	504
317		PLAZA	DR.	JOPLIN	J-1479-B2-P	NT	105	158
317		PLAZA	DR.	JOPLIN	J-1479-F2-P	NT	112	448
317		PLAZA	DR.	JOPLIN	J-1479-F1-P	NT	115	383
317		PLAZA	DR.	JOPLIN	J-1479-DZ-P	NT	125	1820
327		PLAZA	DR.	JOPLIN	J-1480-F1-P	NT	54.3	162
327		PLAZA	DR.	JOPLIN	J-1480-F2-P	NT	57	180
327		PLAZA	DR.	JOPLIN	J-1480-DZ-P	NT	58	146
327		PLAZA	DR.	JOPLIN	J-1480-B2-P	NT	60.4	267
327		PLAZA	DR.	JOPLIN	J-1480-B1-P	NT	71.7	212
413		PLAZA	DR.	JOPLIN	J-1482-B2-P	NT	53	218
413		PLAZA	DR.	JOPLIN	J-1482-DZ-P	NT	62	438
413		PLAZA	DR.	JOPLIN	J-1482-F1-P	NT	82.6	321
413		PLAZA	DR.	JOPLIN	J-1482-B1-P	NT	91.2	169
413		PLAZA	DR.	JOPLIN	J-1482-F2-P	NT	136	664

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
604	PLAZA	DR.	JOPLIN	J-1483-DZ-P	NT	46	359
604	PLAZA	DR.	JOPLIN	J-1483-F1-P	NT	46.4	119
604	PLAZA	DR.	JOPLIN	J-1483-B1-P	NT	56.2	175
604	PLAZA	DR.	JOPLIN	J-1483-B2-P	NT	70.6	117
604	PLAZA	DR.	JOPLIN	J-1483-F2-P	NT	93.5	80.2
732	PLAZA	DR.	JOPLIN	J-1485-DZ-P	NT	53	218
732	PLAZA	DR.	JOPLIN	J-1485-B2-P	NT	58	131
732	PLAZA	DR.	JOPLIN	J-1485-F1-P	NT	61	122
732	PLAZA	DR.	JOPLIN	J-1485-F2-P	NT	63.7	275
732	PLAZA	DR.	JOPLIN	J-1485-B1-P	NT	93.6	239
817	PLAZA	DR.	JOPLIN	J-1486-F1-P	NT	60.1	557
817	PLAZA	DR.	JOPLIN	J-1486-DZ-P	NT	62	455
817	PLAZA	DR.	JOPLIN	J-1486-B1-P	NT	65.3	189
817	PLAZA	DR.	JOPLIN	J-1486-B2-P	NT	84	194
817	PLAZA	DR.	JOPLIN	J-1486-F2-P	NT	195	1050
3510	POPLAR	DR.	JOPLIN	J-1491-B1-P	NT	50	162
3510	POPLAR	DR.	JOPLIN	J-1491-F1-P	NT	51	129
3510	POPLAR	DR.	JOPLIN	J-1491-B2-P	NT	53	210
3510	POPLAR	DR.	JOPLIN	J-1491-F2-P	NT	54	132
3510	POPLAR	DR.	JOPLIN	J-1491-DZ-P	NT	57	179
3521	POPLAR		JOPLIN	J-1492-B2-P	NT	56	146
3521	POPLAR		JOPLIN	J-1492-F2-P	NT	58.7	249
3521	POPLAR		JOPLIN	J-1492-B1-P	NT	60	109
3521	POPLAR		JOPLIN	J-1492-DZ-P	NT	79	241
3521	POPLAR		JOPLIN	J-1492-F1-P	NT	106	204
3608	POPLAR	DR.	JOPLIN	J-1493-B2-P	NT	76.7	200
3608	POPLAR	DR.	JOPLIN	J-1493-F1-P	NT	83.8	269
3608	POPLAR	DR.	JOPLIN	J-1493-B1-P	NT	86.9	258
3608	POPLAR	DR.	JOPLIN	J-1493-F2-P	NT	99	238
3608	POPLAR	DR.	JOPLIN	J-1493-DZ-P	NT	110	416
8055	QUINCY	LN	GRANBY	D-0759-DZ-P	78	22	2380
8055	QUINCY	LN	GRANBY	D-0759-F1-P	69	27.3	904
8055	QUINCY	LN	GRANBY	D-0759-F2-P	67	33.5	1620
8153	QUINCY	LN	GRANBY	D-0709-DZ-P	77	24.5	2610
8153	QUINCY	LN	GRANBY	D-0709-BY-CP	15	31.3	1120
8153	QUINCY	LN	GRANBY	D-0709-BY-P	64	33.6	4610
8153	QUINCY	LN	GRANBY	D-0709-F1-P	77	35.9	951
8153	QUINCY	LN	GRANBY	D-0709-F2-P	44	41.5	1260
8153	QUINCY	LN	GRANBY	D-0709-F2-CP	5.8	41.9	2050
8160	QUINCY	LN	GRANBY	D-0710-DZ-P	65	28	5930
8160	QUINCY	LN	GRANBY	D-0710-F2-P	51	35	1320
8160	QUINCY	LN	GRANBY	D-0710-F1-P	72	37	2890
8184	QUINCY	LN	GRANBY	D-0712-F1-P	58	24	62.8
8184	QUINCY	LN	GRANBY	D-0712-BY-P	85	27	82
8184	QUINCY	LN	GRANBY	D-0712-F2-P	62	27	154
8184	QUINCY	LN	GRANBY	D-0712-DZ-P	74	35.2	1280
1333	RAINBOW	DR	JOPLIN	E-5065-B1-P	56	49.3	570
1333	RAINBOW	DR	JOPLIN	E-5065-F1-P	52	49.6	178
1333	RAINBOW	DR	JOPLIN	E-5065-F2-P	58	55.3	104
1333	RAINBOW	DR	JOPLIN	E-5065-DZ-P	49	56.3	488
1333	RAINBOW	DR	JOPLIN	E-5065-B2-P	59	62.1	149
1382	RAINBOW	DR	JOPLIN	E-5077-B1-P	65	85.4	185
1382	RAINBOW	DR	JOPLIN	E-5077-F2-P	58	87.3	250
1382	RAINBOW	DR	JOPLIN	E-5077-F1-P	48	141	392
1382	RAINBOW	DR	JOPLIN	E-5077-DZ-P	57	189	427
1382	RAINBOW	DR	JOPLIN	E-5077-B2-P	48	385	1100
1520	RAINBOW	DR	JOPLIN	J-0357-B2-P	33	41.7	181
1520	RAINBOW	DR	JOPLIN	J-0357-F2-P	36	49.3	285

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
1520	RAINBOW	DR	JOPLIN	J-0357-F1-P	38	55.4	280
1520	RAINBOW	DR	JOPLIN	J-0357-DZ-P	67.3	70.5	4560
1520	RAINBOW	DR	JOPLIN	J-0357-B1-P	39	91.1	130
1677	RAINBOW	DR	JOPLIN	E-5357-DZ-P	NT	371.2	1779.2
1677	RAINBOW	DR	JOPLIN	E-5357-B2-P	NT	446	1705.8
1677	RAINBOW	DR	JOPLIN	E-5357-F1-P	NT	631.6	3259.2
1677	RAINBOW	DR	JOPLIN	E-5357-F2-P	NT	551.2	2868.8
1677	RAINBOW	DR	JOPLIN	E-5357-B1-P	NT	753	1540
1799	RAINBOW	DR	JOPLIN	E-5353-B2-P	62	45.1	68.4
1799	RAINBOW	DR	JOPLIN	E-5353-F2-P	54.9	67.1	184
1799	RAINBOW	DR	JOPLIN	E-5353-DZ-P	60	76.1	142
1799	RAINBOW	DR	JOPLIN	E-5353-F1-P	60	123	250
1799	RAINBOW	DR	JOPLIN	E-5353-B1-P	66	183	300
1328	REINMILLER	RD	JOPLIN	E-5818-DZ-P	62	35.5	154
1328	REINMILLER	RD	JOPLIN	E-5818-B2-P	65	39.7	122
1328	REINMILLER	RD	JOPLIN	E-5818-B1-P	49	60.4	170
1328	REINMILLER	RD	JOPLIN	E-5818-F1-P	63	96.6	706
1328	REINMILLER	RD	JOPLIN	E-5818-F2-P	77	140	1170
2397	REINMILLER	RD	JOPLIN	J-0356-F1-P	64.05	24.9	80.6
2397	REINMILLER	RD	JOPLIN	J-0356-B2-P	130	44	61
2397	REINMILLER	RD	JOPLIN	J-0356-F2-P	52	51.4	58
2397	REINMILLER	RD	JOPLIN	J-0356-B1-P	64	53.5	57
2640	REINMILLER	RD	JOPLIN	J-0267-F2-P	66	26	169
2640	REINMILLER	RD	JOPLIN	J-0267-DZ-P	72	27.5	160
2640	REINMILLER	RD	JOPLIN	J-0267-F1-P	77	27.5	178
2640	REINMILLER	RD	JOPLIN	J-0267-B1-P	81	49.7	164
2640	REINMILLER	RD	JOPLIN	J-0267-B2-P	80	56	132
2777	REINMILLER	RD	JOPLIN	J-0251-F2-P	39	38.6	74.5
2777	REINMILLER	RD	JOPLIN	J-0251-DZ-P	50	52.3	119
2777	REINMILLER	RD	JOPLIN	J-0251-B2-P	35	52.4	138
2777	REINMILLER	RD	JOPLIN	J-0251-F1-P	37	62.6	79.9
2777	REINMILLER	RD	JOPLIN	J-0251-B1-P	40	71.2	133
2890	REINMILLER	RD	JOPLIN	J-0269-B1-P	68	41.7	84.1
2890	REINMILLER	RD	JOPLIN	J-0269-B2-P	73	44.6	275
2890	REINMILLER	RD	JOPLIN	J-0269-F2-P	67	106	191
2890	REINMILLER	RD	JOPLIN	J-0269-F1-P	74	111	504
2890	REINMILLER	RD	JOPLIN	J-0269-DZ-P	92	491	706
2891	REINMILLER	RD	JOPLIN	J-0270-BY-P	45	64	516
2891	REINMILLER	RD	JOPLIN	J-0270-DZ-P	38	245	2140
2891	REINMILLER	RD	JOPLIN	J-0270-F2-P	61	462	2730
2891	REINMILLER	RD	JOPLIN	J-0270-F1-P	42	498	2310
2891	REINMILLER	RD	JOPLIN	J-0270-F2-CP	28.4	759	4540
3071	REINMILLER	RD	JOPLIN	J-0271-F2-P	78	24	58
3071	REINMILLER	RD	JOPLIN	J-0271-B2-P	60	27	68
3071	REINMILLER	RD	JOPLIN	J-0271-F1-P	59	41.2	75.4
3071	REINMILLER	RD	JOPLIN	J-0271-DZ-P	66	44.5	74.9
3071	REINMILLER	RD	JOPLIN	J-0271-B1-P	69	50.6	74.6
3141	REINMILLER	RD	JOPLIN	J-0272-F1-P	81	25	75.1
3141	REINMILLER	RD	JOPLIN	J-0272-B1-P	74	25.8	57.9
3141	REINMILLER	RD	JOPLIN	J-0272-B1-CP	ND	27.8	71
3141	REINMILLER	RD	JOPLIN	J-0272-DZ-P	78	31.5	58
3141	REINMILLER	RD	JOPLIN	J-0272-F2-P	77	31.9	84.5
3141	REINMILLER	RD	JOPLIN	J-0272-B2-P	67	60.8	108
3303	REINMILLER	RD	JOPLIN	J-0273-F1-P	71	27.3	53
3303	REINMILLER	RD	JOPLIN	J-0273-B1-P	69	30.4	65
3303	REINMILLER	RD	JOPLIN	J-0273-F2-P	70	34.9	67.7
3303	REINMILLER	RD	JOPLIN	J-0273-B2-P	85	38.3	67
3303	REINMILLER	RD	JOPLIN	J-0273-DZ-P	65	46.1	61

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
5894	RIDGE TRAIL		JOPLIN	E-5073-DZ-P	55	28.8	159
5894	RIDGE TRAIL		JOPLIN	E-5073-B2-P	59	50.9	94.1
5894	RIDGE TRAIL		JOPLIN	E-5073-F1-P	70	61.4	181
5894	RIDGE TRAIL		JOPLIN	E-5073-F2-P	51	65.6	198
5894	RIDGE TRAIL		JOPLIN	E-5073-B1-P	58	69.4	209
8363	RIVER	RD.	JOPLIN	J-4141-B1-P	57	29.7	157
8363	RIVER	RD.	JOPLIN	J-4141-F1-P	57	59.5	313
8363	RIVER	RD.	JOPLIN	J-4141-B2-P	48	73.1	300
8363	RIVER	RD.	JOPLIN	J-4141-F2-P	69	79.5	323
8363	RIVER	RD.	JOPLIN	J-4141-DZ-P	61	94.8	484
8678	RIVER	RD.	JOPLIN	J-4145-DZ-P	NT	51	72.6
8678	RIVER	RD.	JOPLIN	J-4145-F1-P	NT	51	213
8756	RIVER	RD.	JOPLIN	J-4147-F1-P	38	81.1	243
8756	RIVER	RD.	JOPLIN	J-4147-F2-P	49	178	714
8756	RIVER	RD.	JOPLIN	J-4147-DZ-P	50	1680	2150
8869	RIVER	RD.	JOPLIN	J-4142-B1-P	52	92	327
8869	RIVER	RD.	JOPLIN	J-4142-F1-P	61	134	592
8869	RIVER	RD.	JOPLIN	J-4142-DZ-P	39	177	1280
9004	RIVER	RD.	JOPLIN	J-4146-B1-P	NT	48	70.2
9004	RIVER	RD.	JOPLIN	J-4146-DZ-P	NT	52	125
9004	RIVER	RD.	JOPLIN	J-4146-F2-P	NT	52.2	167
9004	RIVER	RD.	JOPLIN	J-4146-F1-P	NT	58	101
4500	ROSE CIRCLE		JOPLIN	J-0385-F2-P	68	44.8	219
4500	ROSE CIRCLE		JOPLIN	J-0385-F1-P	82	193	1700
4500	ROSE CIRCLE		JOPLIN	J-0385-B1-P	51	373	3050
4500	ROSE CIRCLE		JOPLIN	J-0385-DZ-P	90	373	3210
4500	ROSE CIRCLE		JOPLIN	J-0385-B2-P	78	445	3580
8043	ROSEBAY	DR.	NEOSHO	N-4128-B2-P	100	26	346
8043	ROSEBAY	DR.	NEOSHO	N-4128-F2-P	120	29.1	87
8043	ROSEBAY	DR.	NEOSHO	N-4128-DZ-P	163	29.3	121
8043	ROSEBAY	DR.	NEOSHO	N-4128-F1-P	183	29.6	61
8043	ROSEBAY	DR.	NEOSHO	N-4128-B1-P	120	30.8	200
8166	ROSEBAY		NEOSHO	N-4026-F1-P	44	33.4	70
8166	ROSEBAY		NEOSHO	N-4026-B1-P	50	46	432
8166	ROSEBAY		NEOSHO	N-4026-F2-P	68	64.5	331
8166	ROSEBAY		NEOSHO	N-4026-B2-P	69	118	516
8166	ROSEBAY		NEOSHO	N-4026-DZ-P	61	128	554
3431	RUBY WAY		JOPLIN	J-1504-B1-P	NT	64	538
3431	RUBY WAY		JOPLIN	J-1504-F2-P	NT	110	398
3431	RUBY WAY		JOPLIN	J-1504-F1-P	NT	146	612
3431	RUBY WAY		JOPLIN	J-1504-B2-P	NT	173	804
3431	RUBY WAY		JOPLIN	J-1504-DZ-P	NT	915	2930
3434	RUBY WAY		JOPLIN	J-1505-F1-P	NT	171	585
3434	RUBY WAY		JOPLIN	J-1505-F2-P	NT	181	536
3434	RUBY WAY		JOPLIN	J-1505-B1-P	NT	184	781
3434	RUBY WAY		JOPLIN	J-1505-B2-P	NT	357	1120
3434	RUBY WAY		JOPLIN	J-1505-DZ-P	NT	1820	3730
3435	RUBY WAY		JOPLIN	J-1506-F1-P	NT	155	373
3435	RUBY WAY		JOPLIN	J-1506-F2-P	NT	253	482
3435	RUBY WAY		JOPLIN	J-1506-B1-P	NT	290	821
3435	RUBY WAY		JOPLIN	J-1506-DZ-P	NT	300	690
3435	RUBY WAY		JOPLIN	J-1506-B2-P	NT	433	1540
3438	RUBY WAY		JOPLIN	J-1507-F2-P	NT	89.8	372
3438	RUBY WAY		JOPLIN	J-1507-F1-P	NT	137	489
3438	RUBY WAY		JOPLIN	J-1507-DZ-P	NT	175	876
3440	RUBY WAY		JOPLIN	J-1508-B1-P	NT	222	564
3440	RUBY WAY		JOPLIN	J-1508-F1-P	NT	227	685
3440	RUBY WAY		JOPLIN	J-1508-B2-P	NT	252	572

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
3440	RUBY WAY		JOPLIN	J-1505-F2-P	NT	405	872
3440	RUBY WAY		JOPLIN	J-1505-DZ-P	NT	445	1140
3504	RUBY WAY		JOPLIN	J-1509-F1-P	NT	78	252
3504	RUBY WAY		JOPLIN	J-1509-F2-P	NT	148.4	1129.6
3504	RUBY WAY		JOPLIN	J-1509-B1-P	NT	348	606
3504	RUBY WAY		JOPLIN	J-1509-B2-P	NT	381	477
3504	RUBY WAY		JOPLIN	J-1509-DZ-P	NT	588	560
3512	RUBY WAY		JOPLIN	J-1510-F1-P	NT	127	441
3512	RUBY WAY		JOPLIN	J-1510-B1-P	NT	162	974
3512	RUBY WAY		JOPLIN	J-1510-F2-P	NT	184	602
3512	RUBY WAY		JOPLIN	J-1510-B2-P	NT	838	1470
3512	RUBY WAY		JOPLIN	J-1510-DZ-P	NT	3800	2570
3520	RUBY WAY		JOPLIN	J-1511-F2-P	NT	158	781
3520	RUBY WAY		JOPLIN	J-1511-F1-P	NT	181	715
3520	RUBY WAY		JOPLIN	J-1511-B1-P	NT	382	885
3520	RUBY WAY		JOPLIN	J-1511-DZ-P	NT	1250	817
3520	RUBY WAY		JOPLIN	J-1511-B2-P	NT	1520	970
3540	RUBY WAY		JOPLIN	J-1512-F1-P	NT	186	829
3540	RUBY WAY		JOPLIN	J-1512-B1-P	NT	252	961
3540	RUBY WAY		JOPLIN	J-1512-B2-P	NT	267	1470
3540	RUBY WAY		JOPLIN	J-1512-DZ-P	NT	274	2570
3540	RUBY WAY		JOPLIN	J-1512-F2-P	NT	287	1320
3097	S CHERRY HILLS	LN	JOPLIN	J-0382-F1-P	43	114	179
3097	S CHERRY HILLS	LN	JOPLIN	J-0382-F2-P	43	148	347
4039	S CHERRY HILLS	LN	JOPLIN	J-0381-FY-P	60.3	1000	12200
4039	S CHERRY HILLS	LN	JOPLIN	J-0381-DZ-P	105	1320	13000
3224	S MOFFET		JOPLIN	J-0410-B1-P	41	270	860
3224	S MOFFET		JOPLIN	J-0410-F1-P	33	295	850
3426	S MOFFET		JOPLIN	J-0416-B1-P	47	412	1030
3426	S MOFFET		JOPLIN	J-0416-F1-P	42	678	2720
3426	S MOFFET		JOPLIN	J-0416-F1-CP	27.8	991	3750
3519	S MOFFET		JOPLIN	J-0418-F1-P	37	32.4	
3519	S MOFFET		JOPLIN	J-0418-B1-P	46	355	1590
4102	S. MAIN		JOPLIN	J-0392-F2-P	50	178	525
4102	S. MAIN		JOPLIN	J-0392-B2-P	71	233	593
4102	S. MAIN		JOPLIN	J-0392-F1-P	75	358	1020
4102	S. MAIN		JOPLIN	J-0392-DZ-P	62	447	866
1886	S. OLIVER		JOPLIN	J-0371-F2-P	43	177	945
1886	S. OLIVER		JOPLIN	J-0371-F1-P	44	214	652
1886	S. OLIVER		JOPLIN	J-0371-B1-P	39	261	1030
1886	S. OLIVER		JOPLIN	J-0371-B2-P	44	280	3430
1886	S. OLIVER		JOPLIN	J-0371-B2-CP	46.2	310	1770
1886	S. OLIVER		JOPLIN	J-0371-DZ-P	49	439	865
1944	S. OLIVER		JOPLIN	J-0366-F1-P	34	17	42.3
1944	S. OLIVER		JOPLIN	J-0366-F2-P	37	24.3	42
1944	S. OLIVER		JOPLIN	J-0366-B1-P	33	25.3	41
1944	S. OLIVER		JOPLIN	J-0366-DZ-P	38	41.4	153
1944	S. OLIVER		JOPLIN	J-0366-B2-P	40	49.4	220
3317	S	SERGEANT	JOPLIN	J-0444-F1-P	NT	55	489
3317	S	SERGEANT	JOPLIN	J-0444-B2-P	NT	137	264
3317	S	SERGEANT	JOPLIN	J-0444-F2-P	NT	153	1180
3317	S	SERGEANT	JOPLIN	J-0444-DZ-P	NT	204	1420
3317	S	SERGEANT	JOPLIN	J-0444-B1-P	NT	306	1280
3325	S	SERGEANT	JOPLIN	J-0445-F1-P	NT	54.3	228
3325	S	SERGEANT	JOPLIN	J-0445-B2-P	NT	157	378
3325	S	SERGEANT	JOPLIN	J-0445-DZ-P	NT	162	1090
3325	S	SERGEANT	JOPLIN	J-0445-F2-P	NT	182	105
3325	S	SERGEANT	JOPLIN	J-0445-B1-P	NT	292	1680

Address			City	Sample Number	Cadmium	Lead	Zinc
3345		SERGEANT	JOPLIN	J-0446-B1-P	NT	160	518
3345		SERGEANT	JOPLIN	J-0446-F2-P	NT	251	1420
3345		SERGEANT	JOPLIN	J-0446-B2-P	NT	412	1480
3345		SERGEANT	JOPLIN	J-0446-DZ-P	NT	432	1790
3345		SERGEANT	JOPLIN	J-0446-F1-P	NT	600	2330
3405		SERGEANT	JOPLIN	J-0447-F2-P	NT	66.9	322
3405		SERGEANT	JOPLIN	J-0447-B2-P	NT	94.9	451
3405		SERGEANT	JOPLIN	J-0447-F1-P	NT	195	671
3405		SERGEANT	JOPLIN	J-0447-DZ-P	NT	1010	3660
3412		SERGEANT	JOPLIN	J-0448-F1-P	NT	124	480
3412		SERGEANT	JOPLIN	J-0448-B1-P	NT	147	914
3412		SERGEANT	JOPLIN	J-0448-B2-P	NT	166	1200
3412		SERGEANT	JOPLIN	J-0448-F2-P	NT	315	982
3412		SERGEANT	JOPLIN	J-0448-DZ-P	NT	559	1570
3420		SERGEANT	JOPLIN	J-0449-F2-P	NT	61.6	419
3420		SERGEANT	JOPLIN	J-0449-F1-P	NT	92.4	476
3420		SERGEANT	JOPLIN	J-0449-B1-P	NT	98.2	549
3420		SERGEANT	JOPLIN	J-0449-B2-P	NT	105	484
3420		SERGEANT	JOPLIN	J-0449-DZ-P	NT	151	2200
3423		SERGEANT	JOPLIN	J-0450-DZ-P	NT	55.6	272
3423		SERGEANT	JOPLIN	J-0450-F1-P	NT	57	241
3423		SERGEANT	JOPLIN	J-0450-F2-P	NT	57	431
3423		SERGEANT	JOPLIN	J-0450-B1-P	NT	141	571
3423		SERGEANT	JOPLIN	J-0450-B2-P	NT	309	1090
3424		SERGEANT	JOPLIN	J-0451-DZ-P	NT	56	74
3424		SERGEANT	JOPLIN	J-0451-F2-P	NT	62.4	241
3424		SERGEANT	JOPLIN	J-0451-B1-P	NT	66.5	160
3424		SERGEANT	JOPLIN	J-0451-F1-P	NT	77.5	160
3424		SERGEANT	JOPLIN	J-0451-B2-P	NT	127	190
3425		SERGEANT	JOPLIN	J-0452-F2-P	NT	178	438
3425		SERGEANT	JOPLIN	J-0452-B1-P	NT	289	570
3425		SERGEANT	JOPLIN	J-0452-DZ-P	NT	478	954
3425		SERGEANT	JOPLIN	J-0452-F1-P	NT	595	1550
3425		SERGEANT	JOPLIN	J-0452-B2-P	NT	1090	1800
3427		SERGEANT	JOPLIN	J-0453-F1-P	NT	59.9	455
3427		SERGEANT	JOPLIN	J-0453-B1-P	NT	68.7	789
3427		SERGEANT	JOPLIN	J-0453-DZ-P	NT	84.2	476
3427		SERGEANT	JOPLIN	J-0453-F2-P	NT	89.9	723
3427		SERGEANT	JOPLIN	J-0453-B2-P	NT	186	1700
4217		SERGEANT	JOPLIN	J-0454-B2-P	NT	56.1	200
4217		SERGEANT	JOPLIN	J-0454-F2-P	NT	58.9	195
4217		SERGEANT	JOPLIN	J-0454-F1-P	NT	61	206
4217		SERGEANT	JOPLIN	J-0454-B1-P	NT	62	173
4217		SERGEANT	JOPLIN	J-0454-DZ-P	NT	66.4	300
4230		SERGEANT	JOPLIN	J-0455-B1-P	NT	46	175
4230		SERGEANT	JOPLIN	J-0455-F2-P	NT	52	236
4230		SERGEANT	JOPLIN	J-0455-B2-P	NT	53	95.6
4230		SERGEANT	JOPLIN	J-0455-F1-P	NT	59	173
4230		SERGEANT	JOPLIN	J-0455-DZ-P	NT	82.7	317
4302	S	SERGEANT	JOPLIN	J-0456-B2-P	NT	42.3	126
4302	S	SERGEANT	JOPLIN	J-0456-B1-P	NT	44	222
4302	S	SERGEANT	JOPLIN	J-0456-DZ-P	NT	50	139
4302	S	SERGEANT	JOPLIN	J-0456-F1-P	NT	51.1	207
4302	S	SERGEANT	JOPLIN	J-0456-F2-P	NT	85	272
4321		SERGEANT	JOPLIN	J-0457-F1-P	NT	45	317
4321		SERGEANT	JOPLIN	J-0457-F2-P	NT	51.3	293
4321		SERGEANT	JOPLIN	J-0457-DZ-P	NT	63	348
4321		SERGEANT	JOPLIN	J-0457-B1-P	NT	75.4	273

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4321	SERGEANT		JOPLIN	J-0457-B2-P	NT	97.7	605
1249	SHADY	LN	JOPLIN	E-6517-DZ-P	NT	1	1430
1249	SHADY	LN	JOPLIN	E-6517-F1-P	NT	51.5	107
1249	SHADY	LN	JOPLIN	E-6517-B1-P	NT	70.5	124
1249	SHADY	LN	JOPLIN	E-6517-F2-P	NT	72	300
1249	SHADY	LN	JOPLIN	R-6517-F2-P	NT	72	
1249	SHADY	LN	JOPLIN	E-6517-B2-P	NT	72.2	94.8
1295	SHADY	LN	JOPLIN	E-6451-B1-P	60	22	99.8
1295	SHADY	LN	JOPLIN	E-6451-F1-P	730	24.8	460
1295	SHADY	LN	JOPLIN	E-6451-B2-P	60	27.3	78.3
1295	SHADY	LN	JOPLIN	E-6451-DZ-P	78	36.3	69.4
1295	SHADY	LN	JOPLIN	E-6451-F2-P	71	40.3	323
2200	SHOAL CREEK	DR	JOPLIN	E-5622-F1-P	68	134	481
2200	SHOAL CREEK	DR	JOPLIN	E-5622-B1-P	55	138	570
2200	SHOAL CREEK	DR	JOPLIN	E-5622-DZ-P	53	233	1630
3010	SILVER CREEK	DR	JOPLIN	J-3013-B2-P	78	38.5	99.2
3010	SILVER CREEK	DR	JOPLIN	J-3013-F2-P	57	52.4	165
3010	SILVER CREEK	DR	JOPLIN	J-3013-B1-P	61	58.6	77.2
3010	SILVER CREEK	DR	JOPLIN	J-3013-F1-P	64	70.1	208
3010	SILVER CREEK	DR	JOPLIN	J-3013-DZ-P	89	287	482
717	SOUTH LINCOLN		NEOSHO	N-0536-F1-P	72	52.9	420
717	SOUTH LINCOLN		NEOSHO	N-0536-B1-P	72	54.5	414
717	SOUTH LINCOLN		NEOSHO	N-0536-B2-P	66	54.8	229
717	SOUTH LINCOLN		NEOSHO	N-0536-B1-CP	2.4	68	527
717	SOUTH LINCOLN		NEOSHO	N-0536-DZ-P	71	80.1	476
717	SOUTH LINCOLN		NEOSHO	N-0536-F2-P	60	117	707
719	SOUTH LINCOLN		NEOSHO	N-0537-B1-P	77	26.7	138
719	SOUTH LINCOLN		NEOSHO	N-0537-F1-P	45	28.4	174
719	SOUTH LINCOLN		NEOSHO	N-0537-B2-P	53	40.1	177
719	SOUTH LINCOLN		NEOSHO	N-0537-F2-P	76	42.5	280
719	SOUTH LINCOLN		NEOSHO	N-0537-DZ-P	55	58.3	403
5963	SPURGEON	RD	JOPLIN	E-6073-B2-P	NT	73.4	351
5963	SPURGEON	RD	JOPLIN	E-6073-F1-P	NT	273	937
5963	SPURGEON	RD	JOPLIN	E-6073-F2-P	NT	297	1610
5963	SPURGEON	RD	JOPLIN	E-6073-DZ-P	NT	333	2370
5963	SPURGEON	RD	JOPLIN	E-6073-B1-P	NT	1210	13600
6363	SPURGEON	RD	JOPLIN	E-5587-B2-P	53	30.5	112
6363	SPURGEON	RD	JOPLIN	E-5587-B1-P	56	58.1	190
6363	SPURGEON	RD	JOPLIN	E-5587-DZ-P	48	98.4	315.6
6363	SPURGEON	RD	JOPLIN	E-5587-F2-P	57	2540	130
6363	SPURGEON	RD	JOPLIN	E-5587-F1-P	55	20700	353
6365	SPURGEON	RD	JOPLIN	E-5588-B2-P	55	27.8	69.2
6365	SPURGEON	RD	JOPLIN	E-5588-F2-P	70	36.5	59
6365	SPURGEON	RD	JOPLIN	E-5588-B1-P	48	46.3	62
6365	SPURGEON	RD	JOPLIN	E-5588-DZ-P	46	46.9	2110
6365	SPURGEON	RD	JOPLIN	E-5588-F1-P	48	56.1	71.5
6700	SPURGEON	RD	JOPLIN	T-1610-B1-P	31	25	104
6700	SPURGEON	RD	JOPLIN	T-1610-B2-P	50	34.2	126
6700	SPURGEON	RD	JOPLIN	T-1610-B2-CP	ND	40.7	184
6700	SPURGEON	RD	JOPLIN	T-1610-F2-P	81	41.5	99.3
6700	SPURGEON	RD	JOPLIN	T-1610-DZ-P	65	42.9	311
6700	SPURGEON	RD	JOPLIN	T-1610-F1-P	77	44.2	86.1
7723	SPURGEON	RD	JOPLIN	E-6287-F2-P	58	31.3	125
7723	SPURGEON	RD	JOPLIN	E-6287-F1-P	68	38	93.8
7723	SPURGEON	RD	JOPLIN	E-6287-B2-P	56	43.2	62
7723	SPURGEON	RD	JOPLIN	E-6287-B1-P	80	44.5	113
7723	SPURGEON	RD	JOPLIN	E-6287-DZ-P	70	46.3	133
8049	SPURGEON	RD	NEOSHO	E-6299-DZ-P	67	28	1890

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
8049	SPURGEON	RD	NEOSHO	E-6299-F1-P	51	39.7	192
8049	SPURGEON	RD	NEOSHO	E-6299-BY-P	71	41.8	350
8049	SPURGEON	RD	NEOSHO	E-6299-F2-P	51	52.8	164
4917	STATE LINE	RD.	JOPLIN	E-7139-F1-P	260	84.8	271
4917	STATE LINE	RD.	JOPLIN	E-7139-B1-P	259	130	253
4917	STATE LINE	RD.	JOPLIN	E-7139-DZ-P	770	341	1150
4500	TERNER	RD	PIERCE CITY	W-0938-F1-P	69	70	522
4500	TERNER	RD	PIERCE CITY	W-0938-B2-P	64	106	227
4500	TERNER	RD	PIERCE CITY	W-0938-B1-P	65	188	488
4500	TERNER	RD	PIERCE CITY	W-0938-DZ-P	72	612	604
4500	TERNER	RD	PIERCE CITY	W-0938-DZ-CP	7.9	1450	1050
11188	TIGER	RD	STARK CITY	K-4002-B1-P	51	22	59.8
11188	TIGER	RD	STARK CITY	K-4002-F2-P	48	24.4	80.8
11188	TIGER	RD	STARK CITY	K-4002-B2-P	60	26.2	55.3
11188	TIGER	RD	STARK CITY	K-4002-F1-P	51	33.6	52
11188	TIGER	RD	STARK CITY	K-4002-DZ-P	42	46.5	333
4322	TIGER	RD	PIERCE CITY	W-0934-F1-P	78	25.1	1290
4322	TIGER	RD	PIERCE CITY	W-0934-F2-P	61	27.3	
4322	TIGER	RD	PIERCE CITY	W-0934-B1-P	64	82.5	447
4322	TIGER	RD	PIERCE CITY	W-0934-B2-P	79	86.8	1040
4322	TIGER	RD	PIERCE CITY	W-0934-DZ-P	57	484	698
4410	TIGER	RD	PIERCE CITY	W-0935-B2-P	71	23	953
4410	TIGER	RD	PIERCE CITY	W-0935-F1-P	75	26.9	164
4410	TIGER	RD	PIERCE CITY	W-0935-F2-P	47	30.8	362
4410	TIGER	RD	PIERCE CITY	W-0935-B1-P	59	38.5	225
4410	TIGER	RD	PIERCE CITY	W-0935-DZ-P	70	546	1000
7580	TROUT FARM	RD	NEOSHO	E-6496-F1-P	51	35.7	286
7580	TROUT FARM	RD	NEOSHO	E-6496-B1-P	59	43.9	212
7580	TROUT FARM	RD	NEOSHO	E-6496-F2-P	53	45.4	203
7580	TROUT FARM	RD	NEOSHO	E-6496-B2-P	67	46.8	160
7580	TROUT FARM	RD	NEOSHO	E-6496-DZ-P	63	60.7	347
4855	UNICORN	RD	PIERCE CITY	W-0923-F2-P	68	85.1	498
4855	UNICORN	RD	PIERCE CITY	W-0923-F1-P	60	131	829
4855	UNICORN	RD	PIERCE CITY	W-0923-DZ-P	63	264	1740
4855	UNICORN	RD	PIERCE CITY	W-0923-B1-P	57	400	3040
4855	UNICORN	RD	PIERCE CITY	W-0923-B2-P	66	459	2460
5049	UNICORN	RD	PIERCE CITY	W-0924-FY-P	71	162	1380
5049	UNICORN	RD	PIERCE CITY	W-0924-BY-P	54	197	960
5049	UNICORN	RD	PIERCE CITY	W-0924-DZ-P	69	287	909
5547	UNICORN	RD	PIERCE CITY	W-0926-B2-P	64	25	64
5547	UNICORN	RD	PIERCE CITY	W-0926-F1-P	68	25	64.6
5547	UNICORN	RD	PIERCE CITY	W-0926-DZ-P	57	26	117
5547	UNICORN	RD	PIERCE CITY	W-0926-B1-P	72	27	64
5547	UNICORN	RD	PIERCE CITY	W-0926-F2-P	48	29.5	122
4265	VIXEN	RD	WENTWORTH	W-0900-F1-P	31	29.1	480
4265	VIXEN	RD	WENTWORTH	W-0900-F2-P	34	77.7	644
4265	VIXEN	RD	WENTWORTH	W-0900-B2-P	38	216	1580
4265	VIXEN	RD	WENTWORTH	W-0900-B1-P	37	307	2550
4265	VIXEN	RD	WENTWORTH	W-0900-DZ-P	42	1050	4710
4928	VIXEN	RD	WENTWORTH	W-0918-B2-P	72	33.7	431
4928	VIXEN	RD	WENTWORTH	W-0918-F2-P	99	56.4	378
4928	VIXEN	RD	WENTWORTH	W-0918-B1-P	70	87.4	738
4928	VIXEN	RD	WENTWORTH	W-0918-F1-P	69	108	726
4928	VIXEN	RD	WENTWORTH	W-0918-DZ-P	65	188	705
5604	VIXEN	RD	WENTWORTH	W-0920-B1-P	63	24	72.1
5604	VIXEN	RD	WENTWORTH	W-0920-F1-P	71	31.7	142
5604	VIXEN	RD	WENTWORTH	W-0920-DZ-P	60	39.2	86
5604	VIXEN	RD	WENTWORTH	W-0920-B2-P	58	43.2	60

Residential Soil Sampling
Newton County Mine Tailings Site

Address				City	Sample Number	Cadmium	Lead	Zinc
5604		VIXEN	RD	WENTWORTH	W-0920-F2-P	73	50.4	1950
5670		W HWY 86		JOPLIN	J-0362-B1-P	68	53.1	242
5670		W HWY 86		JOPLIN	J-0362-F1-P	73	142	938
5670		W HWY 86		JOPLIN	J-0362-B2-P	68	181	988
5670		W HWY 86		JOPLIN	J-0362-F2-P	70	245	1930
5670		W HWY 86		JOPLIN	J-0362-DZ-P	29	526	841
5730		W HWY 86		JOPLIN	T-1609-B2-P	55.8	176	840
5730		W HWY 86		JOPLIN	T-1609-F2-P	61	226	1680
5730		W HWY 86		JOPLIN	T-1609-B1-P	69	384	4140
5730		W HWY 86		JOPLIN	T-1609-F1-P	72	395	3800
5730		W HWY 86		JOPLIN	T-1609-DZ-P	55	1040	3470
4312	SOUTH	WALL		JOPLIN	J-1515-B2-P	71	129	407
4312	SOUTH	WALL		JOPLIN	J-1515-F2-P	79	145	744
4312	SOUTH	WALL		JOPLIN	J-1515-F1-P	65	169	662
4312	SOUTH	WALL		JOPLIN	J-1515-DZ-P	64	595	1620
4312	SOUTH	WALL		JOPLIN	J-1515-B1-P	63	717	740
4230		WALLEYE	RD	WENTWORTH	W-0931-F2-P	58	58.5	294
4230		WALLEYE	RD	WENTWORTH	W-0931-BY-P	61	61.3	221
4230		WALLEYE	RD	WENTWORTH	W-0931-F1-P	62	85	799
4230		WALLEYE	RD	WENTWORTH	W-0931-DZ-P	73	128	2000
6232		WALLEYE	RD	WENTWORTH	W-0960-DZ-P	69	27.3	138
6232		WALLEYE	RD	WENTWORTH	W-0960-F2-P	84	29.6	138
6232		WALLEYE	RD	WENTWORTH	W-0960-BY-P	70	34.8	75.2
6232		WALLEYE	RD	WENTWORTH	W-0960-F1-P	55	48.4	123
6276		WALLEYE	RD	WENTWORTH	W-0961-DZ-P	68	20	61.2
6276		WALLEYE	RD	WENTWORTH	W-0961-BY-P	73	23	51
6276		WALLEYE	RD	WENTWORTH	W-0961-F1-P	110	31	62.5
6276		WALLEYE	RD	WENTWORTH	W-0961-F1-CP	ND	33.9	46.9
6276		WALLEYE	RD	WENTWORTH	W-0961-F2-P	70	54	67.6
416		WANDA	ST	STARK CITY	K-0802-F1-P	69	25.2	258
416		WANDA	ST	STARK CITY	K-0802-DZ-P	65	29.7	276
416		WANDA	ST	STARK CITY	K-0802-B2-P	76	31.5	360
416		WANDA	ST	STARK CITY	K-0802-B1-P	59	36	153
118		WASHINGTON	AVE	SENECA	S-1039-B2-P	86	146	555
118		WASHINGTON	AVE	SENECA	S-1039-B1-P	46	166	494
118		WASHINGTON	AVE	SENECA	S-1039-F2-P	60	169	424
118		WASHINGTON	AVE	SENECA	S-1039-F1-P	46	273	637
118		WASHINGTON	AVE	SENECA	S-1039-DZ-P	61	329	1080
124		WASHINGTON	AVE	SENECA	S-1041-B1-P	67	345	3090
124		WASHINGTON	AVE	SENECA	S-1041-DZ-P	59	567	3350
124		WASHINGTON	AVE	SENECA	S-1041-BY-C1	14.2	591	3270
124		WASHINGTON	AVE	SENECA	S-1041-BY-C2	14	595	3530
124		WASHINGTON	AVE	SENECA	S-1041-DZ-C1	45.8	1240	6250
124		WASHINGTON	AVE	SENECA	S-1041-DZ-C2	20	1780	5680
806		WASHINGTON	AVE	SENECA	S-1042-B1-P	53	129	206
806		WASHINGTON	AVE	SENECA	S-1042-DZ-P	62	216	716
806		WASHINGTON	AVE	SENECA	S-1042-F1-P	48	285	426
806		WASHINGTON	AVE	SENECA	S-1042-B2-P	78	340	226.4
806		WASHINGTON	AVE	SENECA	S-1042-F2-P	77	476	972
812		WASHINGTON	AVE	SENECA	S-1040-B1-P	51	134	194
812		WASHINGTON	AVE	SENECA	S-1040-B1-C2	ND	269	262
812		WASHINGTON	AVE	SENECA	S-1040-B1-C1	ND	286	300
812		WASHINGTON	AVE	SENECA	S-1040-F1-P	70	335	1990
812		WASHINGTON	AVE	SENECA	S-1040-F2-P	77	522	806
812		WASHINGTON	AVE	SENECA	S-1040-B2-P	49	865	776
812		WASHINGTON	AVE	SENECA	S-1040-DZ-P	50	937	425
4454		WENDY WAY		JOPLIN	E-7240-F2-P	412	38.3	156
4454		WENDY WAY		JOPLIN	E-7240-B2-P	194	46.8	818

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
4454	WENDY WAY		JOPLIN	E-7240-F1-P	175	51.3	340
4454	WENDY WAY		JOPLIN	E-7240-DZ-P	130	82.5	384
4454	WENDY WAY		JOPLIN	E-7240-B1-P	594	ND	226
304	WEST 44 TH	ST	JOPLIN	J-0482-F1-P	62	76	475
304	WEST 44 TH	ST	JOPLIN	J-0482-B1-P	60	97	158
304	WEST 44 TH	ST	JOPLIN	J-0482-F2-P	76	131	538
304	WEST 44 TH	ST	JOPLIN	J-0482-B2-P	52	148	307
304	WEST 44 TH	ST	JOPLIN	J-0482-DZ-P	56	342	765
310	WEST 44 TH	ST	JOPLIN	J-0483-B2-P	70	53.1	194
310	WEST 44 TH	ST	JOPLIN	J-0483-B1-P	71	55.7	170
310	WEST 44 TH	ST	JOPLIN	J-0483-F2-P	46	63.7	747
310	WEST 44 TH	ST	JOPLIN	J-0483-F1-P	58	69.3	1580
310	WEST 44 TH	ST	JOPLIN	J-0483-DZ-P	48	110	536
401	WEST 45TH	ST	JOPLIN	J-0487-F1-P	61	38.6	201
401	WEST 45TH	ST	JOPLIN	J-0487-B1-P	65	45.7	169
401	WEST 45TH	ST	JOPLIN	J-0487-F2-P	48	63.4	243
401	WEST 45TH	ST	JOPLIN	J-0487-B2-P	62	82	223
401	WEST 45TH	ST	JOPLIN	J-0487-DZ-P	51	125	414
3112	WOODLAND	DR	JOPLIN	J-0242-B2-P	46	17	37
3112	WOODLAND	DR	JOPLIN	J-0242-F1-P	45	22.6	71.6
3112	WOODLAND	DR	JOPLIN	J-0242-F2-P	39	43.3	176
3112	WOODLAND	DR	JOPLIN	J-0242-B1-P	39	51.7	59.2
3112	WOODLAND	DR	JOPLIN	J-0242-DZ-P	54	80.2	30
3113	WOODLAND	DR	JOPLIN	J-0243-F2-P	68	35.5	259
3113	WOODLAND	DR	JOPLIN	J-0243-DZ-P	45	43.5	261
3113	WOODLAND	DR	JOPLIN	J-0243-B1-P	63	52.5	189
3113	WOODLAND	DR	JOPLIN	J-0243-F1-P	59	87	386
3113	WOODLAND	DR	JOPLIN	J-0243-B2-P	65	203	1440
3122	WOODLAND	DR	JOPLIN	J-0244-B1-P	47	40.9	94.7
3122	WOODLAND	DR	JOPLIN	J-0244-B2-P	63	43.8	116
3122	WOODLAND	DR	JOPLIN	J-0244-DZ-P	69	52	152
3122	WOODLAND	DR	JOPLIN	J-0244-F2-P	89	75.2	327
3122	WOODLAND	DR	JOPLIN	J-0244-F1-P	72	75.4	830
3130	WOODLAND	DR	JOPLIN	J-0245-B1-P	37	42.5	192
3130	WOODLAND	DR	JOPLIN	J-0245-F1-P	41	49.1	232
3130	WOODLAND	DR	JOPLIN	J-0245-DZ-P	34	71.2	624
3130	WOODLAND	DR	JOPLIN	J-0245-F2-P	40	77.5	559
3130	WOODLAND	DR	JOPLIN	J-0245-B2-P	38	119	597
3131	WOODLAND	DR	JOPLIN	J-0246-DZ-P	42	32.8	98.8
3131	WOODLAND	DR	JOPLIN	J-0246-B1-P	47	35.2	167
3131	WOODLAND	DR	JOPLIN	J-0246-F2-P	47	42.4	100
3131	WOODLAND	DR	JOPLIN	J-0246-B2-P	52	48.1	266
3131	WOODLAND	DR	JOPLIN	J-0246-F1-P	51	54	462
3136	WOODLAND	DR	JOPLIN	J-0400-B2-P	58	59.8	110
3136	WOODLAND	DR	JOPLIN	J-0400-F2-P	62	73.7	415
3136	WOODLAND	DR	JOPLIN	J-0400-B1-P	54	108	457
3136	WOODLAND	DR	JOPLIN	J-0400-DZ-P	47	187	1060
3136	WOODLAND	DR	JOPLIN	J-0400-F1-P	59	369	2340
100	ZANE	DR	SENECA	S-1045-B2-P	73	25	56
100	ZANE	DR	SENECA	S-1045-B1-P	73	26	58
100	ZANE	DR	SENECA	S-1045-F2-P	52	39.7	74.9
100	ZANE	DR	SENECA	S-1045-F1-P	52	45.9	60
102B/A	ZANE	DR	SENECA	S-1046-B2-P	41	23	55
102B/A	ZANE	DR	SENECA	S-1046-B1-P	51	24	54
102B/A	ZANE	DR	SENECA	S-1046-DZ-P	54	37.1	1060
102B/A	ZANE	DR	SENECA	S-1046-F2-P	63	42.5	88.3
102B/A	ZANE	DR	SENECA	S-1046-F1-P	57	47.5	577
104A/B	ZANE	DR	SENECA	S-1047-F1-CP	68	23	51

Residential Soil Sampling
Newton County Mine Tailings Site

Address			City	Sample Number	Cadmium	Lead	Zinc
104A/B	ZANE	DR	SENECA	S-1047-F2-P	66	27	58
104A/B	ZANE	DR	SENECA	S-1047-B1-P	65	28	57
104A/B	ZANE	DR	SENECA	S-1047-F1-CP	ND	31.2	55
104A/B	ZANE	DR	SENECA	S-1047-DZ-P	61	35.4	67
104A/B	ZANE	DR	SENECA	S-1047-B2-P	57	46.5	60
200	ZANE	DR	SENECA	S-1049-B1-P	57	27	77.4
200	ZANE	DR	SENECA	S-1049-B2-P	57	27	71.2
200	ZANE	DR	SENECA	S-1049-F1-P	67	29.1	77.2
200	ZANE	DR	SENECA	S-1049-DZ-P	62	29.8	282
200	ZANE	DR	SENECA	S-1049-F2-P	70	39.8	181
200	ZANE	DR	SENECA	S-1049-F2-C2	3.4	209	827
200	ZANE	DR	SENECA	S-1049-F2-C1	3.2	210	765
200	ZANE	DR	SENECA	S-1049-B2-C2	3.4	376	873
200	ZANE	DR	SENECA	S-1049-B2-C1	3.7	407	960
ND - Not Detected							
NT - Reading Not Taken							

APPENDIX B:

Table B-1: Cost Summary for Evaluation of On-Site Disposal
Of Affected Yard Soils, Newton County Yard Soils EE/CA

Table B-1
Cost Summary for Excavation and On-Site Disposal of Affected Yard Soils
Newton County Yard Soils EE/CA

Item No.	Item Description	Estimated Quantity	Units	Unit Price	Total Est. Cost	Comments and Assumptions
1.	**Resampling of Yards**					Assumes 62 yards between 400 and 800 mg/kg are resampled using a portable XR
	a. XRF Rental	21	days	$200.00	$4,200	
	b. Technician labor and expenses	21	days	$1,200.00	$25,200	Assumes crew of 2 at $65/hr each plus $85 per diem.
	c. Laboratory confirmation samples	35	each	$50.00	$1,750	Assumes 10 percent of XRF samples at CLP Lab
	d. Miscellaneous unlisted items	1	lump sum	$6,230.00	$6,230	Assumes 20 percent of listed items.
	Subtotal Yard Resampling	**$37,380**				
2.	**Excavation and Replacement of Affected Yards**					
	a. Mobilization and demobilization	1	lump sum	$15,000.00	$15,000	Assumes $7000 each way
	b. Soil excavation	85600	cu.yds.	$8.00	$684,800	Based on average excavation during time critical removals of 428 cy/yard
	c. Transport to soil repository	7560	hrs.	$50.00	$378,000	Assumes 8 cy end dumps used for transport
	d. Purchase, haul and place clean soils	87600	cu.yds.	$12.00	$1,051,200	Includes filling and grading
	e. Place barrier material	5000	sq.yds.	$2.50	$12,500	Assumes only 25 yards will need barriers
	f. Hydroseed excavated area	163000	sq.yds.	$0.75	$122,250	Assumes average size of yard is approx. 7500 sq.ft.
	g. Stabilize high lead soils	4380	cu.yds.	$40.00	$175,200	Assumes proprietary admixture for yards over 2500 ppm lead.
	h. Post-removal sampling	200	yards	$250.00	$50,000	
	Subtotal Excavation and Replacement	**$2,488,960**				
3.	**Cap Soil Repository**					
	a. Regrade and recontour stockpile	7000	sq.yds.	$4.00	$28,000	Assumes finished repository is 250' x 250'
	b. Place cover soils	3,500	cu.yds.	$12.00	$42,000	Assumes 18" of clean top soil placed as a soil cover.
	c. Hydroseed cover soils	7000	sq.yds.	$1.00	$7,000	
	d. Fence and post repository area	1200	ln.ft.	$20.00	$24,000	Assume 4' woven wire fencing on pressure treated posts.
	Subtotal of Repository Cap	**$101,000**				
4.	**Implement Institutional Controls**	1	lump sum	$50,000.00	$50,000	
5.	**Indirect Capital Costs**					
	a. Access agreements	1	lump sum	$25,000.00	$25,000	
	b. Work plan, contracting, scheduling	1	lump sum	$50,000.00	$50,000	
	c. Utility location	1	lump sum	$10,000.00	$10,000	
	d. Project management	1	lump sum	$220,986.40	$220,986	Assumes 8 percent of capital costs
	e. Oversight	1	lump sum	$208,538.15	$208,538	Assumes 7 percent of capital costs
	Subtotal Indirect Costs	**$514,525**				
6.	**Contingencies**	1	lump sum	$638,370.91	$638,371	Assume 20 percent of capital costs.
	Total Direct and Indirect Capital Costs				**$3,830,225**	