



**T O X I C I T Y   C H A R A C T E R I S T I C  
L E A C H I N G   P R O C E D U R E**

**PREPARED FOR:**

City of Omaha  
4911 South 25<sup>th</sup> Street  
Omaha, NE 68107

**PROJECT LOCATION:**

Residential Property  
[REDACTED]  
Omaha, Nebraska 68107

Project Date(s): November 20, 2023

Report Date: December 12, 2023

Atlas Project ID: 204BS06562

Atlas Technical Consultants LLC  
11117 Mockingbird Drive  
Omaha, Nebraska 68137



11117 Mockingbird Drive  
Omaha, Nebraska 68137  
[www.oneatlas.com](http://www.oneatlas.com)

December 12, 2023

Mr. Tom Roza  
City of Omaha Planning Department  
4911 South 25<sup>th</sup> Street  
Omaha, NE 68107

Re: Toxicity Characteristic Leaching Procedure  
[REDACTED]  
Omaha, Nebraska 68107  
Atlas Project Number: 204BS06562

Mr. Roza:

Atlas Technical Consultants LLC (Atlas) is pleased to submit the attached Toxicity Characteristic Leaching Procedure report for RCRA 8 metals conducted at the above-referenced site.

Atlas appreciates the opportunity to perform these services for the City of Omaha, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to contact us and we will respond promptly to your needs.

Sincerely,

**ATLAS TECHNICAL CONSULTANTS LLC**

A handwritten signature in blue ink that reads "Chase Bucknell".

Chase Bucknell  
Environmental Scientist

A handwritten signature in blue ink that reads "Jim Pagel".

Jim Pagel  
Sr. Client Services Manager

# **T A B L E O F C O N T E N T S**

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# TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Residential Property

██████████  
Omaha, Nebraska 68107

Atlas Project Number: 204BS06562

## 1.0 SCOPE OF SERVICES

To provide information on potential removal and disposal options, Atlas was requested to perform Toxicity Characteristic Leaching Procedure (TCLP) on the potential waste stream that may be impacted by lead-contaminated soils at the target property.

## 2.0 SAMPLING

On November 20, 2023, Atlas collected a composite sample of soil and slag material from the presumed waste stream for TCLP lead analysis. The hazardous waste criteria is established under RCRA, Subtitle C, for each of the 8 RCRA metals.

The sample was collected by inspector Chase Bucknell of Atlas and the samples were delivered to Schneider Laboratories Global, Inc. located in Richmond, Virginia.

## 3.0 REGULATORY REVIEW

Waste disposal is governed by the USEPA Resource Conservation and Recovery Act (RCRA). These rules govern whether a waste material can be disposed of as a solid waste or hazardous waste. Solid wastes include general construction debris and are subject to minimum handling, transportation, and landfill disposal requirements under the USEPA RCRA regulations.

Hazardous wastes, including certain lead-containing materials, are subject to restrictions designed to prevent the hazardous materials from entering the environment. RCRA 8 metals waste is classified as hazardous or non-hazardous based on the results of TCLP testing. If the results of the TCLP analysis are at or above this level, the waste must be handled, transported and disposed as a hazardous waste in an approved waste, reclamation or incinerator site.

## 3.0 CONCLUSIONS AND RECOMMENDATIONS

The TCLP analytical results indicated that **lead was detected above** the EPA regulatory limit (5.0 mg/L). All other metals were below the regulatory limits. A copy of the laboratory analysis reports is included in Appendix B.

#### **4.0 ASSUMPTIONS AND LIMITATIONS**

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the November 20, 2023, Atlas inspection of the site located at [REDACTED] in Omaha, Nebraska.

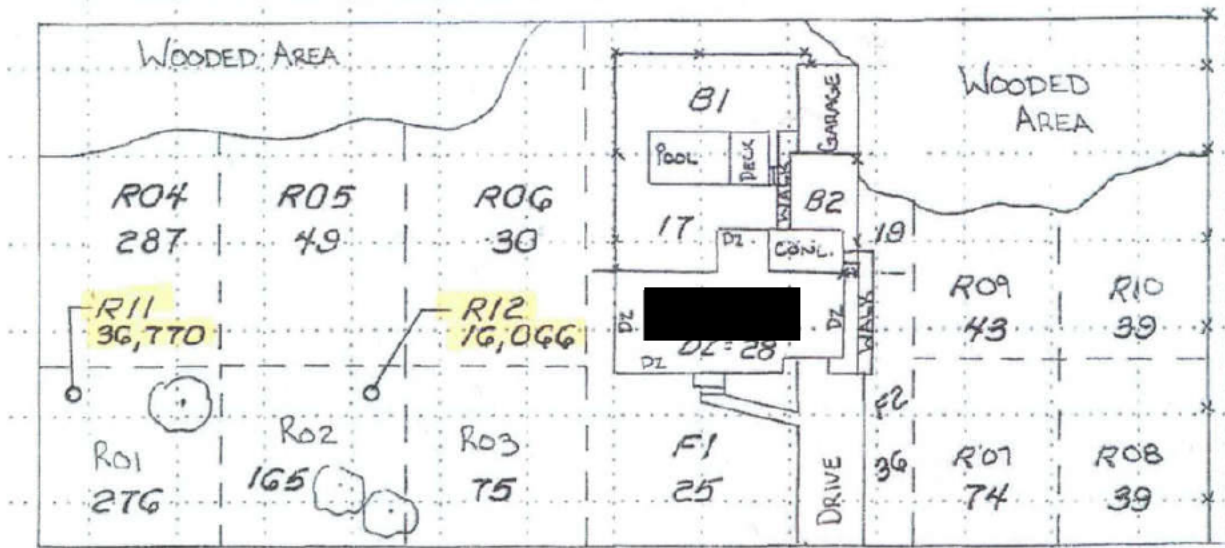
Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the City of Omaha. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

## APPENDIX A

### SITE MAP





Composite TCLP location



## APPENDIX B

### LABORATORY ANALYTICAL REPORT



## Analysis Report

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117  
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** ATC Group Services LLC (4661)  
**Address:** 8246 Marshall Drive  
Lenexa, KS 66214

**Order #:** 540928

**Matrix** Bulk  
**Received** 11/22/23  
**Reported** 11/27/23

**Attn:**

**Project:** City Omaha  
**Location:** [REDACTED] Omaha NE  
**Number:** 204BS06562

**PO Number:** 204BS06562

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
540928-001	TCLP01	Soil And Slag Material					
<b>Metals Analysis</b>							
Arsenic		EPA 6010D / 1311	0.177	0.0800	mg/L	11/27/23	DM
Barium		EPA 6010D / 1311	1.51	0.0800	mg/L	11/27/23	DM
Cadmium		EPA 6010D / 1311	<0.0800	0.0800	mg/L	11/27/23	DM
Chromium		EPA 6010D / 1311	<0.200	0.200	mg/L	11/27/23	DM
Lead		EPA 6010D / 1311	17.3	0.800	mg/L	11/27/23	DM
Mercury		EPA 7470A / 1311	<0.0005	0.0005	mg/L	11/27/23	TM
Selenium		EPA 6010D / 1311	<0.0800	0.0800	mg/L	11/27/23	DM
Silver		EPA 6010D / 1311	<0.0800	0.0800	mg/L	11/27/23	DM

540928-11/27/23 04:46 PM

Reviewed By: **Ahmed Elnasseh**  
Analyst

### EPA TCLP Regulatory Limits

Parameter	Reg. Limit	Unit
Arsenic	5.00	mg/L
Barium	100	mg/L
Cadmium	1.00	mg/L
Chromium	5.00	mg/L
Lead	5.00	mg/L
Mercury	0.200	mg/L
Selenium	1.00	mg/L
Silver	5.00	mg/L

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and \*Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



APPENDIX C  
INSPECTOR ACCREDITATIONS

# State of Nebraska

Department of Health and Human Services

Division of Public Health

Chase J Bucknell

Lead Abatement Inspector

License #: 61

Status: Active

Expiration: 06/27/2025

