



Purchasing Division

ADDENDUM NO. 1

DATE: August 8, 2016
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Re-Soliciting for the Sale or Lease, and New Development of the Property Formerly Known as White Hall, 600 White Avenue, Grand Junction, CO RFP-4271-16-DH

and

Sale or Lease and Redevelopment of the Property Known as R-5, 310 North 7th Street, Grand Junction, CO RFP-4262-16-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Q. The 2 proposals that were submitted in response to the original White Hall RFP last year. We understand if you need to exclude anything that the development firms that submitted would consider proprietary information (e.g. project costs, funding sources, proposed team members, etc). We just want some basic info on the proposed design and the program of the 2 development proposals. Just a simple rendering labeled with program details would suffice.

The selection committee's evaluation of the 2 previous proposals. We want to understand how each of the proposals were ranked on each of the evaluation criteria in the original RFP.

- A. This information is not information that can be issued in an addendum format. Portions of this information are also Classified/Confidential/Proprietary, and would not be released. Also, this information (or portions of it) would not be released under the Colorado Open Records Act (CORA) for the following reasons:

- First, this would be considered "...direct solicitation of business for pecuniary gain...".

-Second, this current solicitation for White Hall is nearly identical to the recently cancelled solicitation for White Hall, and as such, proposal information received from the first, as well as evaluation information, will not be released prior to an award being made for this second proposal process.

-Third, portions of this information are also Classified/Confidential/Proprietary.

2. Q. Are there any testing for lead, asbestos, etc.?
A. Environmental Reports attached.
3. Q. Concerning housing, are there any newer projects that have been completed since the DDA master plan was developed?
A. No
4. Q. What about City/DDA Partnership with developer for subsidies?
A. The DDA will consider some level of participation in public improvements necessary for the project.
5. Q. What needs are there for public facilities for downtown for a project?
A. There has been some interest in a downtown location by the Western Colorado Center for the Arts.
6. Q. Do you know the square feet of co-working space?
A. Approximately 4,700 sq.ft.
7. Note: For the R-5 building, prospective proposers may feel free to take advantage of a site visit after the pre-proposal briefing, and/or schedule an individual site visit to accommodate their schedule.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Phase I
Environmental Site Assessment
310 N. 7th Street
Grand Junction, Colorado

Avant Project Number: 9042-1
June 17, 2015



Phase I Environmental Site Assessment 310 N. 7th Street Grand Junction, Colorado

June 17, 2015

Submitted by:

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Prepared for:

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Grand Junction Downtown Development Authority
248 S. 4th Street
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Author:

Edward M. Baltzer, CPG, CHMM
Project Manager

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in Section 212.10 of 40 CFR part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	PURPOSE	1
1.2	SCOPE OF SERVICE.....	1
1.3	PREVIOUS REPORTS	1
1.4	ASSUMPTIONS, LIMITATIONS, AND EXCEPTIONS	1
2	SITE DESCRIPTION.....	2
2.1	SITE LOCATION AND LEGAL DESCRIPTION.....	2
2.2	SITE AND VICINITY GENERAL CHARACTERISTICS.....	2
2.3	CURRENT PROPERTY USE AND DESCRIPTION.....	2
2.4	PHYSICAL SETTING	2
2.4.1	<i>Topography.....</i>	2
2.4.1	<i>Regional and Site Geology.....</i>	2
2.4.1	<i>Soils.....</i>	4
2.4.2	<i>Hydrology</i>	4
3	USER PROVIDED INFORMATION.....	4
4	HISTORICAL RECORDS REVIEW.....	4
4.1	AERIAL PHOTOGRAPH REVIEW	4
4.2	UNITED STATES GEOLOGICAL SURVEY (USGS) TOPOGRAPHIC MAPS	5
4.3	POLK CITY DIRECTORIES	5
4.4	SANBORN FIRE INSURANCE RATE MAPS.....	6
5	ENVIRONMENTAL RECORDS REVIEW.....	6
5.1	FEDERAL RECORDS.....	7
5.1.1	<i>CERCLA Sites and Superfund Sites (NPL).....</i>	7
5.1.2	<i>RCRA/Hazardous Waste Notifiers.....</i>	7
5.1.3	<i>Emergency Response Notification System (ERNS).....</i>	7
5.1.4	<i>Other Environmental Records</i>	7
5.2	STATE AND LOCAL AGENCY RECORDS	8
5.2.1	<i>Colorado Department of Public Health and Environment.....</i>	8
5.2.2	<i>Environmental Covenants.....</i>	8
5.2.3	<i>Voluntary Cleanup Sites</i>	8
5.2.4	<i>Landfill/Solid Waste Activities.....</i>	8
5.2.5	<i>Above and Underground Storage Tanks (AST/USTs).....</i>	9
5.2.6	<i>Grand Junction Fire Prevention Bureau.....</i>	9
6	SITE INSPECTION AND INTERVIEWS.....	9
6.1	SUBJECT SITE.....	9
6.1.1	<i>General Observations</i>	10
6.1.2	<i>Structure Interior</i>	10
6.1.3	<i>Exterior</i>	10

6.1.4 *Surrounding Properties* 11

6.2 INTERVIEWS 11

6.2.1 *Subject Property Owners* 11

6.2.2 *Intended User of the Phase I ESA*..... 11

7 **CONCLUSIONS** 12

8 **DEVIATIONS AND LIMITATIONS**..... 13

8.1 DATA GAPS..... 13

8.2 LIMITATIONS..... 13

9 **REFERENCES**..... 14

LIST OF FIGURES

FIGURE 1. SITE LOCATION MAP 3

LIST OF APPENDICES

APPENDIX A	PERSONS CONTACTED AND QUESTIONNAIRES
APPENDIX B	ESA DOCUMENTATION AND AERIAL PHOTOGRAPHS
APPENDIX C	SITE PHOTOGRAPHS
APPENDIX D	QUALIFICATIONS OF PREPARER

ACRONYMS AND ABBREVIATIONS

AST	Above-ground Storage Tank
ASTM	American Society for Testing and Materials
Avant	Avant Environmental Services Inc.
BTEX	benzene, toluene, ethylbenzene, and xylenes
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
DDA	Grand Junction Downtown Development Authority
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
LUST	Leaking Underground Storage Tank
MINES	Mines Master Index File
MSHA	Mine Safety and Health Administration
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NRCS	Natural Resource Conservation Service (formerly Soil Conservation Service)
NTIS	National Technical Information Service
OPS	Colorado Department of Labor and Employment, Oil and Public Safety
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Inventory System
ROD	Records of Decision
Site	310 N. 7th Street, Grand Junction, Colorado
SPL	State Equivalent Priorities List
SQGs	Small Quantity Generators
TSD	Treatment, Storage, and Disposal
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VCUP	Colorado Voluntary Clean-Up

EXECUTIVE SUMMARY

This ESA was conducted by Avant Environmental Services Inc. (Avant) on behalf of Grand Junction Downtown Development Authority prior to acquisition of the subject property. Avant has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527 of 310 N. 7th Street, Grand Junction, Colorado (the Site). Any exceptions to, or deletions from, this practice are described in the section where they occur in this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- Asbestos-containing building materials may exist in the structure (plaster, possibly other locations).
- Uranium mill tailings may be present at current action levels along some portions of the city sidewalks surrounding the Site.

Based on the findings of this Phase I Environmental Site Assessment (ESA), Avant recommends performing an asbestos inspection to include the interior plaster and other materials that have not been demonstrated to be non-asbestos containing.

Phase I Environmental Site Assessment

310 N. 7th Street

Grand Junction, Colorado

1 INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment (ESA) conducted on 310 N. 7th Street, Mesa County parcel number 2945-144-05-942 (the “Site”, see Figure 1). This ESA was prepared by Avant Environmental Services Inc. (Avant) on behalf of the Grand Junction Downtown Development Authority (DDA).

1.1 Purpose

This ESA was performed in anticipation of potential acquisition of the real property by the DDA. The objective of this assessment is to provide information regarding the environmental condition of the Site.

1.2 Scope of Service

This ESA consisted of a review of available local, county, state, and federal documents; examination of historical aerial photographs, topographic maps, city directories, and fire insurance maps; interviews; and a visual inspection of the Site. This ESA was conducted in accordance with American Society of Testing and Materials (ASTM) Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM, 2013).

1.3 Previous Reports

An asbestos inspection report and asbestos abatement records were reviewed. The inspection report has several iterations of inspections starting in 1988. In the original inspection, all interior plaster was considered asbestos-containing and regulated. Re-sampling in 1988 resulted in the material being removed from the regulated category. Three additional samples of the plaster were obtained in 1994 and found to contain a trace amount of chrysotile asbestos in at least one layer of each sample. No point-count results for these samples were found in the data. The inspection report also contained letters dated June 22, 1998 from the architect and the general contractor stating that no asbestos-containing building materials were specified or used during the remodel. Abatement records from 1994 and 1995 document the removal of boiler insulation, pipe wrap insulation, and floor tile from the structure. These documents are included in Appendix B.

1.4 Assumptions, Limitations, and Exceptions

In preparing the conclusions to this ESA, Avant assumed that information provided by others is reliable and makes no warranty to its accuracy. No significant limitations or deviations from the ASTM standard were encountered. Minor deviations from the ASTM standard are described in

the sections where they occur. The contacts made for conducting this ESA are listed in Appendix A. No sampling of soil, water, building materials, or other material was conducted.

No interviews with prior owners or operators were conducted. The DDA is the ESA “user” as defined by ASTM.

2 SITE DESCRIPTION

2.1 Site Location and Legal Description

The Site is located at 310 N. 7th Street, in the downtown core of Grand Junction, Colorado. The Site is an entire quarter block and consists of approximately 2.59 acres of developed land situated in the northwest quarter of the southeast quarter of Section 14, Township 1 south, Range 1 west of the Ute Principal Meridian. It is Mesa County parcel number 2945-144-05-942. Real property information from the Mesa County Assessor’s office is included in Appendix B.

2.2 Site and Vicinity General Characteristics

The Site is located in a business and residential area with various retail businesses, government offices, and residences. It is in the original downtown area of Grand Junction.

2.3 Current Property Use and Description

The Site is currently developed with a school building and landscaping on the west portion with an open paved and gravel lot on the east portion. The Site is zoned B-2, Downtown Business. The surrounding area is zoned for residential and business uses.

2.4 Physical Setting

2.4.1 Topography

The Site lies within the USGS Grand Junction, Colorado topographic quadrangle at an elevation of approximately 4,590 feet above mean sea level (Figure 1). The topography in the vicinity of the Site is flat and slopes gently to the southwest.

2.4.1 Regional and Site Geology

The Site is located within the Grand Valley geomorphic province. The Grand Valley is located north of the Uncompahgre Plateau and south of the Piceance Basin (Tweto, 1979). The Uncompahgre Plateau is an uplift of primarily Mesozoic sedimentary bedrock forming an anticline that plunges northward into the Grand Valley. The Piceance Basin is composed of the relatively flat-lying Tertiary-aged Uintah, Green River, and Wasatch formations. These formations contain sandstones, siltstones, and shales including oil-bearing shales. Bedrock within the Grand Valley is predominantly the Cretaceous Mancos Shale, a dark-gray to black soft shale with intermittent thin sandstone beds. The upper portion of the Mancos shale grades into the cliff-forming Cretaceous Mount Garfield Formation and Sego Sandstone. These formations grade into the Cretaceous Hunter Canyon Formation north of the Grand Valley (Cashion, 1973). The Mancos Shale overlies the Burro Canyon formation, composed of sandstone and conglomerate.

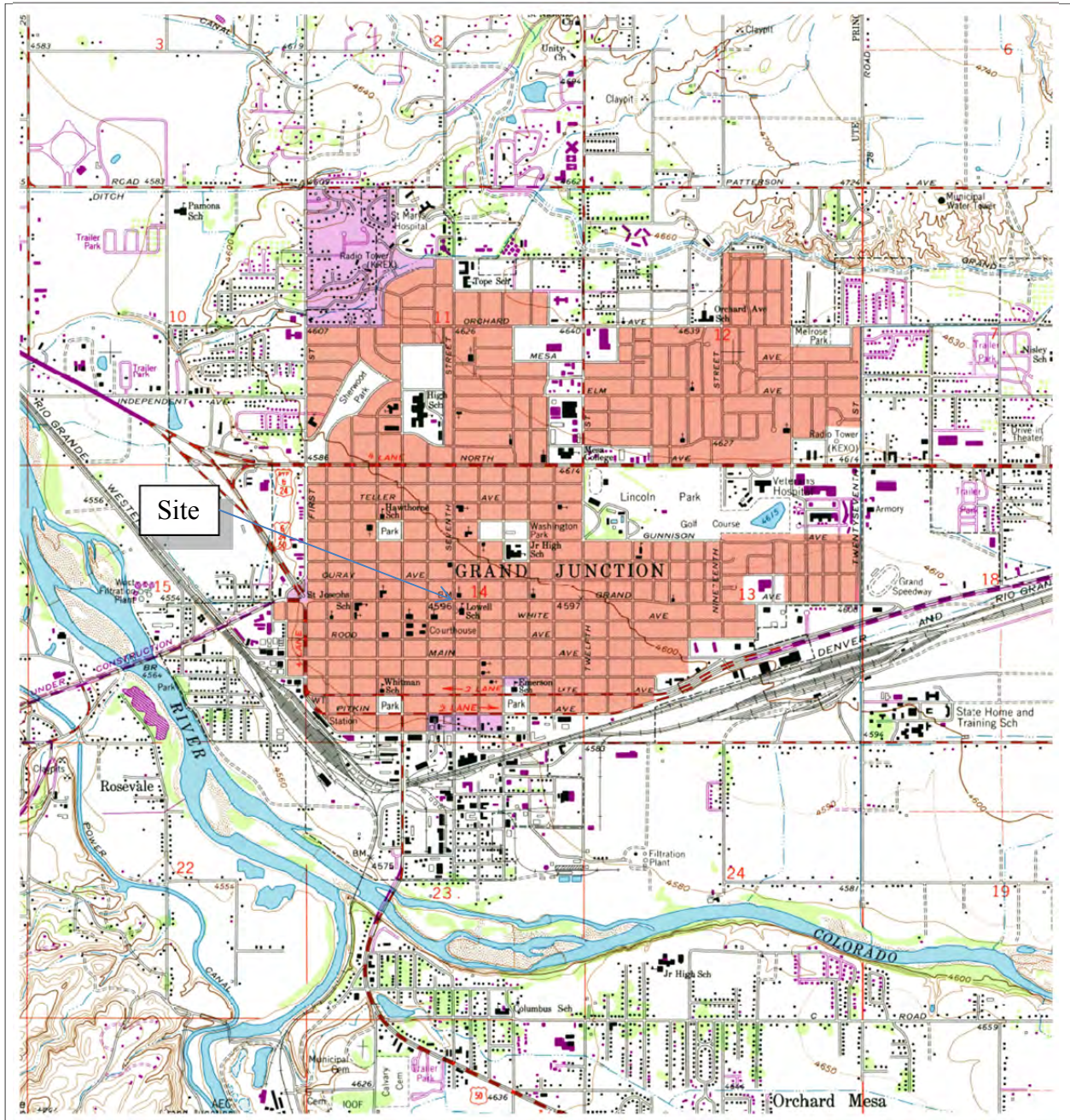
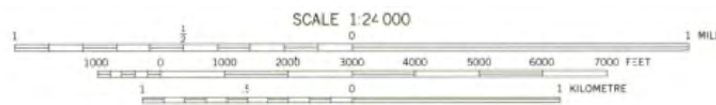


Figure 1. Site Location Map

Base map from:
USGS Grand Junction, Colorado
7.5 minute topographic map, 1962,
Photorevised 1973



2.4.1 Soils

Soil at the Site is listed as Sagers-Urban land complex, 0 to 2 percent slopes. The Sagers-Urban soil is a deep, well-drained, low-salinity silty-clay loam soil. (U.S. NRCS, 2006).

2.4.2 Hydrology

Surface water flow in the area of the Site is directed by storm drainage systems to the south and west into the Colorado River approximately one mile southwest of the Site. The Colorado River is a perennial drainage that ultimately flows into the Pacific Ocean.

Groundwater in the vicinity is likely to flow perpendicularly to surface contours, or towards the southwest at a depth of about 10 to 25 feet below grade. The actual groundwater depth and flow direction at the Site is likely to vary depending on the season and other factors.

3 USER PROVIDED INFORMATION

The user (Mr. Tim Moore, acting director of the DDA) stated that the purpose of this ESA was to determine the environmental condition of the Site prior to acquisition. He was not aware of any environmental liens on the property. He stated that the DDA is obtaining the property at market value from School District 51.

4 HISTORICAL RECORDS REVIEW

4.1 Aerial Photograph Review

Aerial photos from 1937 to 2015 were reviewed to determine use and development of the Site. Copies of selected images are included in Appendix B.

The 1937 aerial photo shows the Site with the main school structure as it appears today plus an additional possible structure to the north. The east portion is vacant, and the entire parcel has trees planted along the property lines. Surrounding land use is residential and business, although the image quality is poor.

The 1954 aerial photo shows the Site much as it appeared in 1937 but with only the main building visible. Surrounding land use appears little changed, with residences and businesses visible.

The 1966 aerial photo shows the Site developed as it appeared in 1957 but with the addition of a running track on the east half of the parcel. Other surrounding land use appears similar to previous images with some new nearby structures (e.g. 801 Grand Avenue).

The 1986 through 2001 aerial photos show the Site similar to 1966 but without the running track, and with a sidewalk that previously appeared between the southwest corner of the parcel to the west side of the building no longer evident. The west half of the parcel appears used for parking. Nearby parcels appear similar to the 1966 aerial photo.

The 2003 and later aerial photos show the Site with a modular structure placed north of the main building, but otherwise unchanged. Surrounding land use shows no significant changes from the 2001 aerial photo.

4.2 United States Geological Survey (USGS) Topographic Maps

USGS topographic maps were reviewed. The Site is located within the Grand Junction, Colorado quadrangle. The Grand Junction quadrangle was originally printed in 1962 and was photorevised in 1973. The map shows the Site as being located in the City of Grand Junction. Lowell School is shown to be located on the Site. Figure 1 uses this USGS map for a base.

4.3 Polk City Directories

The street sections of Polk City Directories for nearby streets were reviewed at approximately 10 year intervals from 1926 through 2003.

White Avenue – White Avenue had residences, churches, or offices listed at all addresses in all years with the following exceptions. From 1939 the jail was at 535, the public library was at 525, and Crescent Creamery was located at 652 White Avenue. The library remained at 525 through 1949. In 1960 A&B Auto Repair was listed at 652 White, to the west of the Site. In 1970 a radio and electronics supplier was located at 640 White Avenue. The First Presbyterian Church was located at 606 White Avenue from 1918 until 1960, and was listed at 622 White Avenue in 1970.

7th Street – The Site is listed as Lowell School from 1930 until 1987 when it was listed as R-5 Alternative High School. The 100 block of 7th Street contained oil, gasoline, and automotive repair companies from 1930 until 1949, with companies such as Midwest Refining, Raybestos Brake Service, U.S. Rubber, and Texaco Service Station existing at various times. Mountain States Telephone and Telegraph was listed at 123, 127, or 129 7th Street from 1930 until 1970. Remaining addresses were various businesses including automotive repair, mortuary, the library (at 334 N. 7th in 1926 and 1930; the Site), and residences.

8th Street – Listings show residences and offices at all addresses between 100 and 800 8th Street in all years reviewed. The California Oil Co was listed at 133 N. 8th Street in 1956, and other oil and mining company offices appeared at various times and locations in the 100 block.

Grand Avenue – This street had residences and offices listed from the 100 through 1000 blocks in all reviewed directories, with Phillips 66 Service Station at 502 and Quality Cleaners at 545 Grand Avenue in the 1970 directory the only noted exceptions.

In summary, the Site has been a school building from about 1925 through the present. A library also was on the Site prior to about 1930. Residences, offices, churches, and similar land use existed at all reviewed addresses upgradient from the Site (towards the north and east). Gasoline, oil, automotive, and a dry cleaner existed at various locations down-gradient or cross-gradient from the Site (towards the west and south).

4.4 Sanborn Fire Insurance Rate Maps

The Sanborn Company prepared maps for fire insurance companies during the latter part of the nineteenth and early twentieth centuries. These maps often indicate locations of USTs, ASTs, building construction, and business names.

Sanborn Insurance maps from 1886 through 1947 were reviewed. The 1886 map does not cover the Site. The 1890 and 1893 maps note that Block 84 has one frame domicile and one frame business, but with no exact locations. The 1899 map shows no improvements on the block. In 1904, 1907, and 1912, the Carnegie Public Library appears on the northwest portion of Block 84, at 336 N. 7th Street. It is shown to have a concrete floor. The Mesa County jail appears on the southeast portion of the block, fronting White Avenue. The 1912 map shows the First Baptist Church north of Grand Avenue at 7th Street. Domiciles (residences) are located in other surrounding locations during these years. In 1926 the Lowell School (current structure) appears at the site. It is shown to have “steel girders & metal lath & plaster ceilings, concrete floors, cinderblock walls; lights electric, heat steam.” Surrounding land use remains largely unchanged. In 1947 the Site shows the Lowell School, but the library and jail are no longer present. A note next to the school states, “Built 1925”. Copies of selected map sections are included in Appendix B.

5 ENVIRONMENTAL RECORDS REVIEW

A search of environmental records held by pertinent agencies was conducted. The search focused on records pertaining to facilities within one mile of the Site that are regulated by government agencies or that have reported releases of regulated materials. Table 1 lists the agency records searched.

Table 1 List of Agency Sources

Source Acronym	Source Name	Source Agency	Search Distance
NPL	National Priorities List	US EPA	1.0 mile
Proposed NPL	Proposed National Priorities List	US EPA	1.0 mile
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Act Information System	US EPA	0.5 mile
CERCLIS-NFRAP	CERCLIS-No Further Remediation Action Planned	US EPA	0.25 mile
ECHO	RCRIS Enforcement and Compliance History	US EPA	1.0 mile
RCRIS-TSD	Resource Conservation and Recovery Act Information System	US EPA/NTIS	0.5 mile
RCRIS Lg. & Sm. Quan. Gen.	Resource Conservation and Recovery Act Information System	US EPA/NTIS	Site and adjacent
ERNS	Emergency Response Notification System	US EPA/NTIS	Site
CONSENT	Superfund Consent Decrees	US EPA	1.0 mile
ROD	Records of Decision	NTIS	1.0 mile
Delisted NPL	National Priority List Deletions	US EPA	1.0 mile
State Landfill	Solid Waste Sites & Facilities	CDPHE	0.5 mile
Environmental Covenants	Hazardous Materials and Waste Management Division	CDPHE	0.5 mile
LUST	Leaking Underground Storage Tank List	OPS	0.5 mile
UST	Underground Storage Tank Database	OPS	0.25 mile
VCUP	Voluntary Cleanup & Redevelopment Act Application Tracking Report	CDPHE	0.5 mile

Table 1 continued:

CDPHE	Colorado Department of Public Health and Environment
NTIS	National Technical Information Service
OPS	Colorado Department of Labor and Employment, Division of Oil and Public Safety
RCRIS	RCRA Inventory System
MSHA	Mine Safety and Health Administration
TSD	Treatment, storage, and disposal

5.1 Federal Records

5.1.1 CERCLA Sites and Superfund Sites (NPL)

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) provides a system for prioritizing existing areas of known contamination for remediation. The U.S. Environmental Protection Agency (EPA) ranks the CERCLA Information System (CERCLIS) sites according to risk based on the Hazard Ranking Score. Higher risk sites are placed on the National Priority List (NPL) and these sites are then considered Superfund sites. The CERCLIS lists no NPL sites within one mile and one active CERCLA site within ½ mile of the Site and no archived CERCLA facilities adjacent to the Site. The one facility is Grand Cleaners at 545 Grand Avenue. It shows a discovery on 9/4/12 and lists it as a former dry cleaners and an EPA-funded investigation.

Grand Cleaners is located about 1/8 mile west of (cross-gradient from) the Site and is therefore not considered likely to have affected the Site.

5.1.2 RCRA/Hazardous Waste Notifiers

The Resource Conservation and Recovery Act (RCRA) Notifiers List is an inventory of hazardous waste transporters; treatment, storage, and disposal (TSD) facilities; and large, small, and very small quantity generators. Large-quantity generators (LQGs) generate more than 1,000 kilograms (2,205 pounds) of hazardous waste per month. Small quantity generators (SQGs) generate between 100 and 1,000 kilograms per month; and conditionally-exempt small quantity generators (CESQGs) generate less than 100 kilograms (220 pounds) per month. There are no facilities with corrective actions within one mile of the site, no TSD facilities within ½ mile, and no other generators or inactive sites at or adjacent to the Site. There are about 14 inactive or CESQG generators located within ½ mile of the Site. None of these facilities are likely to have impacted the Site owing to their distance from the Site and/or location downgradient from the Site.

5.1.3 Emergency Response Notification System (ERNS)

Spill reports received by the EPA regarding hazardous substance incidents are maintained in an on-line database called ERNS. When a reportable quantity of a hazardous substance is released, the National Response Center (NRC) must be notified within 24 hours and these reports are also included in ERNS. No spills or releases were positively identified at the Site or on the adjacent properties. Some of the ERNS sites are non-locatable due to insufficient data provided to the EPA.

5.1.4 Other Environmental Records

Other EPA sources that were reviewed for this report include the Permit Compliance System (PCS) and Integrated Compliance Information System (ICIS) for water dischargers, air pollution emission

permit holders (AIRS/AFS program), and the Toxic Release Inventory (TRI), a list of entities that emit more than threshold levels of certain toxic chemicals into the air.

There are 2 water discharge permits, no TRI facilities, and 15 air permits within about ½ mile of the Site. None of these facilities are likely to have significantly impacted the Site.

5.2 State and Local Agency Records

5.2.1 Colorado Department of Public Health and Environment

Uranium mill tailings were produced in Grand Junction from the 1950's until the 1970's. These tailings were given away for use as fill material during that time. The Uranium Mill Tailings Remedial Act (UMTRA) mandated that the U.S. Department of Energy (DOE) remediate these tailings. The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division, who maintains the records for UMTRA and the earlier Grand Junction Remedial Action Program (GJRAP), was contacted for a radiation report for the Site. The Site was initially surveyed in 1970 by the GJRAP program, which found it was not eligible for remedial action. It was resurveyed under UMTRA in 1987 and certified to meet EPA standards in 1989. Uranium mill tailings were found outside the structure in several locations and 2,648 square meters of area with mill tailings totaling 1,324 cubic yards of soil were removed. Although the report stated that the property was below the EPA standard, several small areas along the sidewalks measured more than 20 micro-Roentgens per hour, which is the current screening standard. A copy of the mill tailings report is included in Appendix B.

5.2.2 Environmental Covenants

The CDPHE uses environmental covenants to approve requests by any party to restrict the future use of a property using an enforceable agreement called an environmental real covenant. These covenants, which are recorded with the deed and stay associated with the land in perpetuity, provide a mechanism to ensure that institutional controls that are part of environmental remediation projects are properly implemented and that engineered structures are protected and maintained, so that implemented remedies continue to be protective of human health and the environment for as long as any residual contamination remains a risk.

The list of environmental covenants was searched. One covenant exists within one mile of the Site; it is for Randall Industries at 745 Struthers Avenue.

5.2.3 Voluntary Cleanup Sites

The State of Colorado has a voluntary cleanup program whereby property owners can clean up unregulated sites with environmental contamination to standards that are agreed upon by the State CDPHE. A review of the VCUP list of sites revealed no facilities within ½ mile of the Site.

5.2.4 Landfill/Solid Waste Activities

CDPHE records were searched for active landfill locations within Mesa County. None are listed within ½ mile of the Site. Nearby entities registered with the CDPHE for solid waste activities

include Big O Tires at 215 N. 3rd Street, US Postal Service at 308 Grand Avenue, Meuller's Auto Service at 753 Ute Avenue, and Scotty Muffler at 405 Pitkin Avenue (tire registrants).

5.2.5 Above and Underground Storage Tanks (AST/USTs)

Lists compiled by the State of Colorado Oil and Public Safety Division (OPS) were searched for leaking underground and aboveground storage tanks (USTs/ASTs) located within one-half mile of the Site and registered sites adjacent to the Site. Leaking sites that are "open" are undergoing active remediation; while closed sites have reportedly been cleaned up. Leaking UST/AST facilities in the vicinity of the Site are:

Facility	Address	Status	Proximity
US Postal Service	308 Grand Ave	Release remediated 1997	½ mile NW
US Postal Service - VMF	308 Grand St	2 tanks closed 2012	½ mile NW
Grand Ave Amoco	502 Grand Ave	4 tanks closed in 2000	¼ mile NW
First United Methodist Church	360 N. 5 th Street	One tank state lead in 2010	¼ mile west
American Land Title	550 Grand Ave	Leak closed in 2007	¼ mile NW
Alpine Bank Building	225 N. 5 th St	4 tanks closed 1995	¼ mile west
Colorado National Bank Property	422 White Avenue	1996 leak still being investigated	¼ mile west
Old Central office	123 N. 7 th Street	1 tank permanently closed	1/8 mile south
LUST Trust Site	7 th and Main	4 tanks closed; leak investigation continuing	¼ mile south
Chevron USA	701 Main Street	Corrective action 1993	¼ mile south
Doug Simmons Property	702 Main Street	Release closed 2009	¼ mile south
Grand Partnership	654 Main Street	Release closed 1990	¼ mile south
Big J Jewelry and Loan	123 S. 7 th Street	Release closed in 2010	½ mile south
Colorado Dept of Admin	222 S. 6 th Street	Release closed in 1990	½ mile south
Plump & Luscious	201 Main Street	Release closed in 1991	½ mile SW
First and Grand Shell LLC	333 N 1 st Street	Releases closed 2004	½ mile west
Stop n Save #1	213 N. 1 st Street	Corrective action current	½ mile west

The above-listed sites are either closed to the satisfaction of the OPS, or are located sufficiently distant down- or cross-gradient from the Site that they are unlikely to have impacted the Site. There are no registered UST or ASTs at or adjacent to the Site.

5.2.6 Grand Junction Fire Prevention Bureau

Avant contacted Grand Junction Fire marshal Chuck Mathis to determine if hazardous materials incidents, spills, or fires had occurred on or near the Site. Marshal Mathis reported that they have no record of hazardous materials incidents or spills for the Site.

6 SITE INSPECTION AND INTERVIEWS

6.1 Subject Site

Avant personnel inspected the Site on June 16, 2015. Mr. Eric Nilson of School District 51 and Mr. Tim Moore of the DDA were present for the inspection. The Site is located in a commercial

and residential area at White Avenue and 7th Street in Grand Junction, Colorado. It covers the entire city block from 7th to 8th streets and from White to Grand avenues.

6.1.1 General Observations

The site is developed with a brick, masonry and wood-framed structure of two stories with a cellar formerly used as a boiler room and coal room, and several attic spaces. It is broken into 10 classrooms, a library, hallways, restrooms, stairwells, and closets. The exterior is constructed of brick and the interior is finished with plaster walls and ceilings and carpeted floors.

Electric and gas are provided by Xcel Energy. Electrical transformers supplying the structure are on the ground just east of the structure near the center of the Site. Water and sewer services are provided by the City of Grand Junction. The topography is flat.

A wood-frame modular building exists north of the main building, on a pad that may be the floor of the former Carnegie Library. The modular is divided into two main spaces, a classroom and a daycare area. It opens to a fenced portion of the grassy area.

6.1.2 Structure Interior

Fluorescent lighting is present throughout the structure. Heat is provided by roof-mounted air units. Most interior walls are plaster (main building), or wood framing covered with gypsum wallboard (modular). The hallways of the main structure have drop ceiling panels concealing utilities such as HVAC and electrical lines. The basement has an abandoned boiler and several storage areas currently used to store numerous bicycles. A utility trench is accessed from the basement; this trench leads around the perimeter of the structure and carries abandoned steel pipe formerly used for heating. The boiler and heating pipes were observed to have newer insulation that appeared to be fiberglass where exposed. The attic is accessed from the second level, where a trap door leads to the attic space above the center of the building; this attic has entrances to access the attic spaces above the classrooms and the roof. The roof is flat in the center and pitched around the perimeter, and has two HVAC units and a weather station on the flat central portion.

Some materials in the structure, including possibly mercury thermostats, fluorescent tubes, and asbestos-containing building materials, may be regulated wastes once they are discarded. Some building materials have been identified in previous reports held by School District 51 to contain asbestos. Asbestos materials that have been removed include boiler insulation, pipe insulation, and floor tile. Plaster throughout the structure was identified to contain asbestos in 1988, re-sampled and removed from the asbestos-containing materials list in 1989, and sampled again in 1994 and found to have trace level of chrysotile. The plaster was not “point-counted” and as such, may be a regulated asbestos-containing building material.

6.1.3 Exterior

The exterior is landscaped with grass and mature trees on the west portion, is paved in the center portion, and is a gravel parking area on the west portion. Vehicle access is off of 8th Street and White Avenue. The building is west of the center of the property. The areas to the north, south,

east, and west are public roadways. No soil staining was noted surrounding the building or at any location on the Site.

6.1.4 Surrounding Properties

To the north of the Site is Grand Avenue and north of that is a church and residences. To the west is 7th Street and west of that are office buildings. To the east is 8th Street and east of that are residences, and to the south is White Avenue, and south of White Avenue are various retail and office businesses.

6.2 Interviews

6.2.1 Subject Property Owners

The owner of the Site as recorded by the Mesa County Assessor is School District 51. Mr. Eric Nilsen of District 51 Maintenance was provided a questionnaire to obtain his knowledge of the property. He is not aware of any potential environmental issues with the Site. Mr. Nilsen completed a questionnaire that is included in Appendix A. Mr. Charles Pope of District 51 Maintenance was also interviewed. Mr. Pope stated that during the remodel of the building in about 1998, all fluorescent ballasts were removed and replaced with non-PCB containing ballasts.

6.2.2 Intended User of the Phase I ESA

Mr. Tim Moore of the DDA stated that he had no information on the environmental condition of the property. He stated that he was not aware of the sales price being reduced for any reason, and that the DDA will be paying full value for the building.

7 CONCLUSIONS

This ESA of 310 N. 7th Street, Grand Junction, Colorado was conducted by Avant Environmental Services, Inc. (Avant) on behalf of the Grand Junction Downtown Development Authority in anticipation of real property acquisition. Avant has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527 of the property. Any exceptions to, or deletions from, this practice are described in the section where they occur in this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- Asbestos-containing building materials may exist in the structure (plaster and possibly other locations).
- Uranium mill tailings may be present at current action levels along some portions of the city sidewalks surrounding the Site.

Based on the findings of this Phase I Environmental Site Assessment (ESA), Avant recommends performing an asbestos inspection to include the interior plaster and other materials that have not been demonstrated to be non-asbestos containing.

8 DEVIATIONS AND LIMITATIONS

8.1 Data Gaps

The ASTM ESA Standard requires identifying significant data gaps that affect the Environmental Professional's ability to identify recognized environmental conditions. There are no data gaps that are significant to the findings of this report.

8.2 Limitations

Avant conducted this Phase I ESA in accordance with the guidelines set forth by ASTM. The qualifications of the personnel preparing this assessment are included in Appendix D. The sources of information obtained to perform this assessment include documents, oral statements, and other information from parties outside of Avant's control. Avant cannot guarantee the accuracy of the information.

Avant's conclusions for this Phase I ESA are based on information provided by third parties (including government records) and general site conditions determined by a visual inspection. Prior to the 1970s, environmental records were not required, and as such, activities at that time may have adversely impacted the area without being documented by government agencies. In addition, current record-keeping requirements may not be adhered to by all facilities.

This assessment was limited and it did **not** include:

- Collection, testing, or chemical analysis of any samples of soil, groundwater, surface water, wastewater, building materials, or other material which was or could have been on site.
- Interviews, except as specifically noted in this report, with past owners, tenants, employees, or neighboring landowners regarding past site use, waste generation and disposal practices (including disposal at remote sites), or manufacturing processes which may have contributed to environmental contamination at the Site.
- Evaluation of the potential risks associated with identified concerns from records searches with incomplete addresses location listings, or sites where no records were available for review.

If additional information concerning site environmental conditions becomes available, the conclusions presented in this report will not be considered valid unless this information is reviewed and the conclusions and recommendations of this report are modified and approved in writing by Avant. It is possible that additional reports or investigations could alter the conclusions of this assessment. This report was prepared for the use of our client(s) and authorized agents only.

9 REFERENCES

- American Society for Testing and Materials (ASTM). 2005. *Standard Practice for ESAs: Phase I ESA Process*. Designation: E 1527-05.
- Cashion, W. B. 1973. *Geologic and Structure Map of the Grand Junction Quadrangle, Colorado and Utah*. U.S. Geological Survey Map I-736.
- Lohman, S. W. 1963. *Geologic Map of the Grand Junction Area, Colorado*. Miscellaneous Investigations Map I-404, U.S. Geological Survey.
- Tweto, Ogden. 1979. *Geologic Map of Colorado*.
- UNC Geotech. 1989. *Property Completion Report for Grand Junction Vicinity Property Remedial Action for 310 N. 7th Street, Grand Junction*. Document GJ-05712-SC. January 1989.
- U.S. Geological Service. 1973 *Grand Junction, Colorado Quadrangle*.
- U.S. Natural Resource Conservation Service. 2006. *Soil Survey of the Grand Junction Area, Colorado*. <http://www.soils.usda.gov/survey/>
- Whitney, J. W. 1981. *Surficial Geologic Map of the Grand Junction 1^o X 2^o Quadrangle, Colorado and Utah*. U.S. Geological Survey Map I-1289.

APPENDIX A

**PERSONS CONTACTED FOR THIS ESA
OWNER AND USER QUESTIONNAIRES**

CONTACTED PERSONS AND ENTITIES

The following individuals and entities have been contacted for this Phase I ESA:

Marshal Chuck Mathis
Grand Junction Fire District
330 South 6th Street
Grand Junction, CO 81501
(970) 244-1400

Colorado Department of Public Health
and Environment
Solid and Hazardous Waste Division
Denver, Colorado
(303) 331-4802

Mesa County Public Library
Main Branch
530 Grand Avenue
Grand Junction, Colorado
(970) 243-4442

City of Grand Junction
Community Development
250 N. 5th Street
Grand Junction, Colorado 81501

University of Colorado Library
Accessed via the Internet at:
<http://libcudl.colorado.edu/sanborn>

US Geological Survey
Maps on demand
Accessed via the Internet at:
<http://www.usgs.gov>

Colorado Department of Public Health and
Environment (CDPHE)
Radiation and Hazardous Waste Division
222 S. 6th Street
Grand Junction, Colorado 81501
(970) 248-7164

Colorado Dept. of Labor and Employment
Oil Inspection Section
Tower 3, Suite 610
1515 Arapahoe Street
Denver, CO 80202
(303) 318-8500
www.oil.cdle.state.co.us

Mr. Tim Moore
Grand Junction Downtown Development
Authority
248 S. 4th Street
Grand Junction CO 81501
(970) 256-4134

Mr. Eric Nilsen
Mr. Charles Pope
District 51 Maintenance
2115 Grand Avenue
Grand Junction, Colorado 81501
(970) 244-5100

**Phase I Environmental Site Assessment
Owner/Occupant Questionnaire**

Site Name: R-5 High School Address: 310 N. 7th St.

Name: Eric Nilson Association With Site: Dir of Maintenance How long: 23 yrs

Please answer these questions to the best of your ability. If an affirmative answer is provided to any question, or if explanation is required, please attach additional details.

1. What is the current use of the property?

School

2. Describe any known past uses of the property:

School

3. What is the source of drinking water for the property?

city

4. Is the property served by a municipal sewer system?

yes

5. How are heating and cooling provided to buildings on the property?

NAT GAS + elect rooftop units. boiler abandoned

6. What fuel source is used for heating?

NAT GAS + electric - historically coal

7. Are you aware of any use of the property or adjoining properties for the purposes listed below, now or in the past?

	<i>Property</i>	<i>Adjoining Property</i>
Gas station	Y/ N	Y/ N
Vehicle repair	Y/ N	Y/ N
Commercial printing	Y/ N	Y/ N
Dry cleaners	Y/ N	Y/ N
Photo developing	Y/ N	Y/ N
Junkyard, landfill	Y/ N	Y/ N
Waste treatment, storage, recycling, disposal	Y/ N	Y/ N
Laboratory	Y/ N	Y/ N
Manufacturing	Y/ N	Y/ N
Mining/gravel pits	Y/ N	Y/ N
Industrial	Y/ N	Y/ N

8. Are you aware of the presence of any of the following items on the property, now or in the past?

Discarded auto/industrial batteries	Y / <input checked="" type="radio"/> N	Above-ground storage tanks	Y / <input checked="" type="radio"/> N
Chemicals	Y / <input checked="" type="radio"/> N	Underground storage tanks	Y / <input checked="" type="radio"/> N
Radioactive materials	Y / <input checked="" type="radio"/> N	Oil or gas wells	Y / <input checked="" type="radio"/> N
Controlled substances	Y / <input checked="" type="radio"/> N	Water wells	Y / <input checked="" type="radio"/> N
Petroleum products	Y / <input checked="" type="radio"/> N	Monitoring wells	Y / <input checked="" type="radio"/> N
Hazardous waste	Y / <input checked="" type="radio"/> N	Fill dirt from unknown origins	Y / <input checked="" type="radio"/> N
Industrial drums	Y / <input checked="" type="radio"/> N	Contaminated soil or fill	Y / <input checked="" type="radio"/> N
Leaks/spills of chemicals	Y / <input checked="" type="radio"/> N	Unusual odors	Y / <input checked="" type="radio"/> N
Septic tanks/leach fields	Y / <input checked="" type="radio"/> N	Stained soil	Y / <input checked="" type="radio"/> N
Dumping or disposal of waste materials	Y / <input checked="" type="radio"/> N	Floor drains	Y / <input checked="" type="radio"/> N
Pits, ponds, or lagoons associated with waste treatment	Y / <input checked="" type="radio"/> N	Sumps, sand traps, oil/water separators	Y / <input checked="" type="radio"/> N
Transformers, capacitors	Y / <input checked="" type="radio"/> N	Remediation systems	Y / <input checked="" type="radio"/> N
Hydraulic equipment	Y / <input checked="" type="radio"/> N	Solvents	Y / <input checked="" type="radio"/> N

9. Are you aware of any of the following items associated with the property:

Government notices relating to past or current violations of environmental laws	Y / <input checked="" type="radio"/> N
Environmental liens	Y / <input checked="" type="radio"/> N
Deed restrictions	Y / <input checked="" type="radio"/> N
Past, pending, or threatened litigation concerning releases of chemicals	Y / <input checked="" type="radio"/> N
Government actions concerning releases of chemicals	Y / <input checked="" type="radio"/> N
Inspections by government environmental agencies	Y / <input checked="" type="radio"/> N
Activity and use limitations	Y / <input checked="" type="radio"/> N

10. Have any of the following reports/permits been issued for the property? (If yes to any item, please provide copies if available)

Previous environmental reports (Phase I, Phase II, etc.)	Y / <input checked="" type="radio"/> N
Air emissions permits	<input checked="" type="radio"/> Y / <input checked="" type="radio"/> N Asbestos Abatement
Wastewater discharge permits	Y / <input checked="" type="radio"/> N
Stormwater permits	Y / <input checked="" type="radio"/> N
Hazardous waste activity notices	Y / <input checked="" type="radio"/> N
Hazardous waste manifests	Y / <input checked="" type="radio"/> N
Biennial RCRA reports	Y / <input checked="" type="radio"/> N
EPCRA (Tier I or Tier II) reports	Y / <input checked="" type="radio"/> N
Toxic Release Inventory Reports	Y / <input checked="" type="radio"/> N
Radioactive materials license	Y / <input checked="" type="radio"/> N
Environmental compliance audit reports	Y / <input checked="" type="radio"/> N
Solid waste disposal permits	Y / <input checked="" type="radio"/> N
Sampling reports for soil, groundwater, surface water	Y / <input checked="" type="radio"/> N
Spill prevention plans	Y / <input checked="" type="radio"/> N
Above-ground or underground storage tank registrations	Y / <input checked="" type="radio"/> N
Underground injection permits	Y / <input checked="" type="radio"/> N
Other environmental permits	Y / <input checked="" type="radio"/> N
Other environmental reports	Y / <input checked="" type="radio"/> N

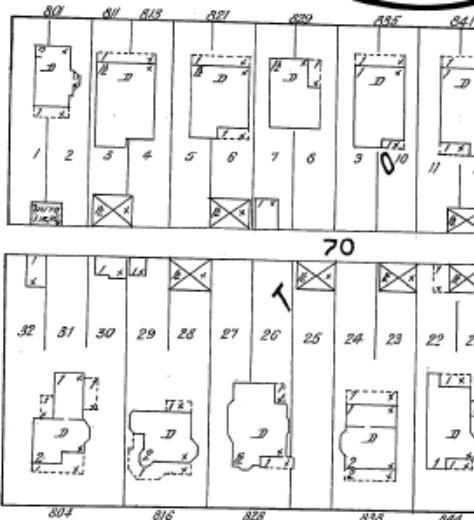
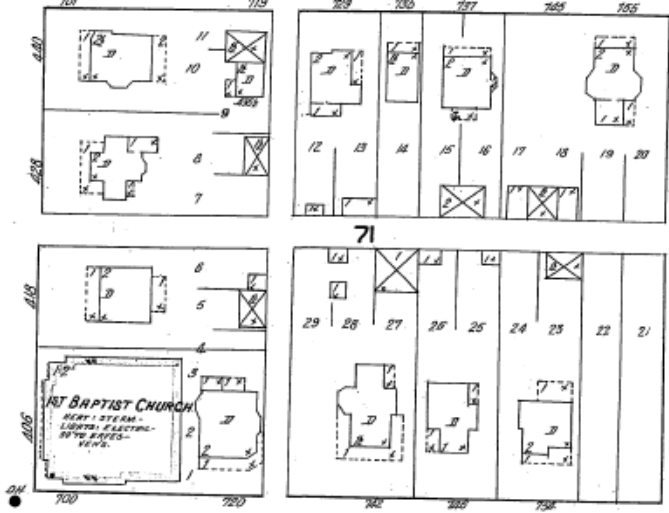
Signature: Eric Nilson

Date: 6/16/15

APPENDIX B

**ESA DOCUMENTATION
AERIAL PHOTOGRAPHS**

4



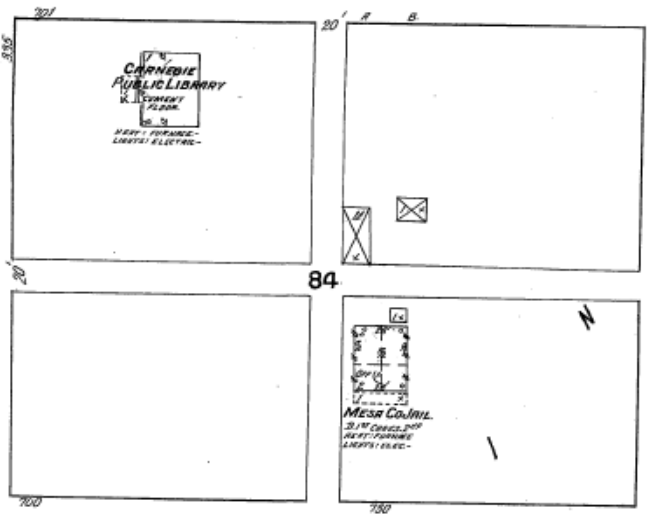
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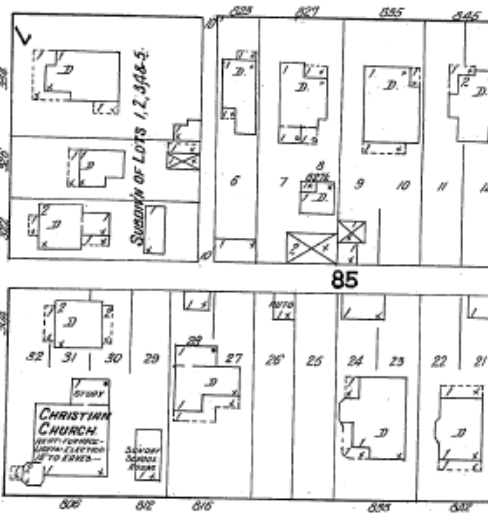
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1919 image

N. 7TH ST.



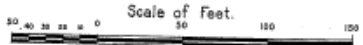
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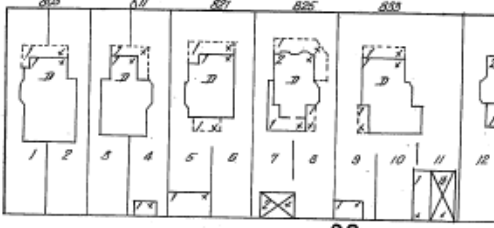
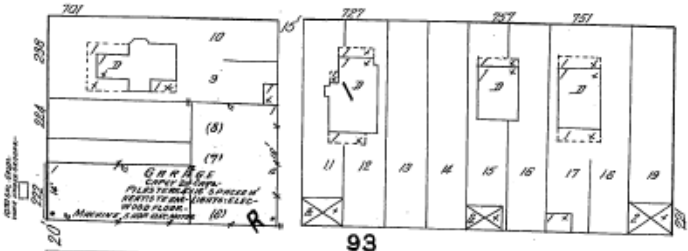
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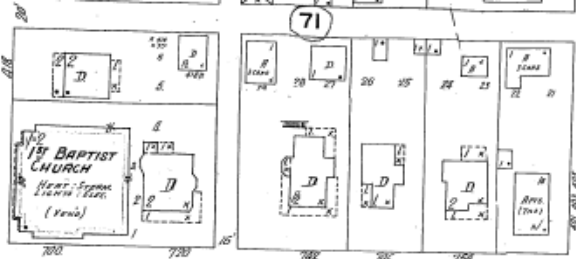
E. WHITE

AV.



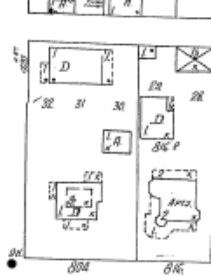
Copyright 1919 by the Bashon Map Co.





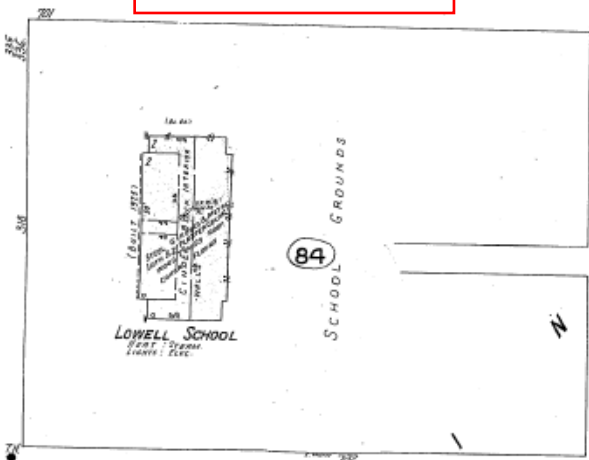
E. GRAND

1926 with 1947 edits



AV.

20 N. 7TH ST.

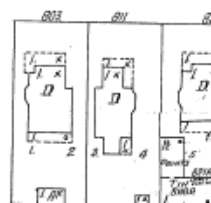
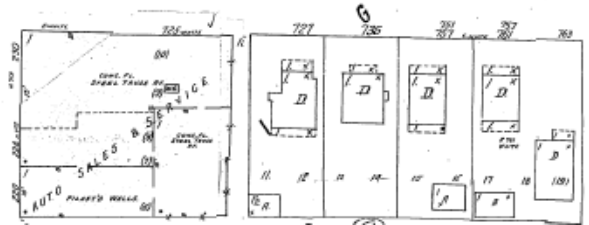


E. WHITE

N. 8TH ST.



AV.



COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Hazardous Materials and Waste Management Division
222 S. 6th St.. Rm 232. Grand Junction CO 81501-2768
(970)-248-7164

Date: 6/11/2015

Mill Tailings Report for

Address: 00310 N 7TH ST
2945-144-05-942
Grand Junction, Mesa County, Colorado

Location No.: 05712

Requested By: BALTZER ED
AVANT ENVIRONMENTAL

ORIGINAL SURVEY/SCREENING INFORMATION

12/1/1970 Date of survey (or screening form date)

Occupant: LOWELL ELEMENTARY

Owner: SCHOOL DISTRICT 51

Tailings Use: Under the Structure and/or Within 10 Feet of the Structure and Greater Than 10 Feet
Away From the Structure

Comment: T U A

Grand Junction Remedial Action Program (GJRAP)

Found Not Eligible for Remedial Action

Uranium Mill Tailings Remedial Action Program (UMTRAP)

7/23/1985 Date Included in the Program

7/21/1987 Date of Final Prereconstruction Survey

2/14/1989 Date DOE Certified This Property Meets EPA Standards

THIS IS A SUMMARY SHEET
ADDITIONAL INFORMATION MAY BE AVAILABLE

This document may not reflect all of the information that is available. To fully understand the work that was performed on this property, and whether any uranium mill tailings remain, you may wish to review the entire property record. If you would like to see whether additional information is available in our files on this property, and to view that information, please submit your request by phoning (970) 248-7164, to set up a date and time to visit the Colorado Department of Public Health and Environment's Grand Junction office. Please reference the property address and the five-digit location number when you call.

05712

RECEIVED

FEB 16 1989

Colo. Dept. of Health
Grand Jct. Office

PROPERTY COMPLETION REPORT
FOR
GRAND JUNCTION
VICINITY PROPERTY REMEDIAL ACTION

FOR


DOE ID NO.: GJ-05712-SC
ADDRESS: 310 NORTH 7TH STREET
GRAND JUNCTION, COLORADO 81501

JANUARY 1989

Prepared for
Uranium Mill Tailings Remedial Action Project Office
Albuquerque Operations Office
Department of Energy

by

UNC Geotech
P.O. Box 14000
Grand Junction, Colorado 81502-5504


Michael E. Madson
UMTRA Program Manager

UNC Geotech has been granted authorization to perform remedial action under the Uranium Mill Tailings Radiation Control Act of 1978, Public Law 95-604. Remedial action was done in accordance with the Environmental Protection Agency (EPA) Standards for Cleanup of Lands and Buildings Contaminated with Residual Radioactive Material from Inactive Uranium Processing Sites, 40 CFR 192.12, 192.20-23.

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 SUMMARY	1
1.1 Basis for Remedial Action.	1
1.2 Criteria for Remedial Action	1
1.3 Summary of Remedial Action	2
2.0 OPERATIONS SUMMARY.	3
2.1 Abstract of Remedial Action Plan	3
2.2 Previously Unidentified Contamination.	3
2.3 Unanticipated Items During Remedial Action	3
2.4 Application of Supplemental Standards.	3
3.0 VERIFICATION SUMMARY.	4
3.1 Radiological Survey Data	4
3.1.1 Pre-Remedial Action Survey.	4
3.1.2 Post-Excavation Survey.	4
3.1.3 Radon Decay-Product Concentration (RDC) Measurement	4
3.2 Recommendation for Certification	5
Certification Data Summary	5
4.0 APPENDIX	6

1.0 SUMMARY

1.1 Basis for Remedial Action

In 1950, the Climax Uranium Company built a uranium/vanadium recovery mill in Grand Junction, Colorado, near the Colorado River. The mill operated for 19 years, processing over 2.2 million tons of ore. Some 250,000 tons of mill tailings were used for construction-related activities in the Grand Junction area.

In November 1978, Congress enacted the "Uranium Mill Tailings Radiation Control Act of 1978" (Public Law 95-604). This act authorized the U.S. Department of Energy (DOE) to enter into cooperative agreements with the states and Indian tribes affected by uranium mill tailings in order to conduct an assessment and remedial action program.

A cooperative agreement (DE-FC04-81AL16257) was signed with the Colorado Department of Health (CDH), effective October 19, 1981, which authorized the DOE to initiate remedial action activities within the State of Colorado.

1.2 Criteria for Remedial Action

Public Law 95-604 required that the U.S. Environmental Protection Agency (EPA) promulgate general standards to be applied to cleanup work conducted under the auspices of the Uranium Mill Tailings Remedial Action (UMTRA) Project. In March 1983, the EPA published "Standards for Remedial Action at Inactive Uranium Processing Sites" (40 CFR Part 192). These standards established guidelines for the control of tailings piles and the cleanup of buildings and open lands.

This property was evaluated on the basis of the EPA standards by the DOE Inclusion Survey Contractor. The DOE reviewed these evaluation results and determined that the property contained residual radioactive material which exceeded the EPA standards. Thus, in accord with Section 102(e)(2) of Public Law 95-604, this property was included in the UMTRA Project by the DOE. The Remedial Action Contractor was authorized by the DOE to perform remedial action as required to bring the property into conformance with the EPA standards.

1.3 Summary of Remedial Action

DOE ID No.:	GJ-05712-SC
Mesa County Tax Parcel No.:	294514405942, confirmed January 1989
Legal Description:	All of Block 84, City of Grand Junction, County of Mesa, State of Colorado
Property Address:	310 North 7th Street Grand Junction, Colorado 81501
Property Owner:	Mesa County School District # 51 2115 Grand Avenue Grand Junction, Colorado 81501
Property Category:	School (SC)
Inclusion Survey Contractor:	Oak Ridge National Laboratory
Inclusion Notification Date:	July 23, 1985
Remedial Action Contractor:	UNC Geotech
Radiological & Engineering Assessment (REA):	October 23, 1986
Construction Subcontractor:	Mays Concrete, Inc. P.O. Box 4124 Grand Junction, Colorado
Pre-Construction Conference Record:	June 23, 1987
Notice of Final Completion Inspection:	August 24, 1987
Volume of Material Removed:	Exterior: 1,324 cu. yd. Interior: 0 cu. yd.
Area Cleaned Up:	2,648 m ²
Property Completion Report Submitted:	January 1989

2.0 OPERATIONS SUMMARY

2.1 Abstract of Remedial Action Plan

The remedial action plan involved removal of exterior contamination (Appendix Figure 2.1). Once excavation was complete, the affected areas were resurveyed for possible remaining contamination and, upon attaining satisfactory results, were backfilled with uncontaminated material. The property was restored to a condition comparable to that which existed prior to remedial action activities.

2.2 Previously Unidentified Contamination

The original radiological assessment identified 667 cu. yd. of tailings, from 6 inches to 18 inches deep, within the property. The remedial action process included the removal of 1,324 cu. yd. of residual radioactive material, ranging from 7 inches to 70 inches deep (Appendix Figure 2.1).

The difference between the original assessment and the actual material removed is shown in Appendix Figure 2.1.

2.3 Unanticipated Items During Remedial Action

None.

2.4 Application of Supplemental Standards

Supplemental standards were not applicable to the tailings removal activities performed on the property.

3.0 VERIFICATION SUMMARY

3.1 Radiological Survey Data

All survey data were acquired according to approved procedures.

3.1.1 Pre-Remedial Action Survey

A radiological survey was conducted by UNC Geotech during January 1986, as described in the final REA, dated October 1986. Appendix Figure 2.1 shows the extent of contamination determined during the pre-remedial assessment and identifies the areas recommended to undergo remedial action.

3.1.2 Post-Excavation Survey

A ground-level gamma scan with a scintillometer was performed after the removal of contamination and prior to backfilling. Following the gamma scan, soil samples representative of the 6-inch-thick soil layer at the bottom of the excavation were collected. The samples were blended to form composite samples representing an average over the verification areas (Appendix Figure 2.1).

Exterior Findings: Surface exposure-rate values determined during the gamma scan ranged from 13 $\mu\text{R}/\text{h}$ to 24 $\mu\text{R}/\text{h}$ (Appendix Figure 2.1). The results of analyses for Ra-226 in 40 composite soil samples taken from the excavated areas ranged from 1.1 pCi/g to 2.9 pCi/g (Appendix Table 3.1).

3.1.3 Radon Decay-Product Concentration (RDC) Measurement

Based on the DOE-approved abbreviated-measurement method, the RDC was determined to be below the EPA standard (Appendix Table 3.2). Appendix Figure 2.1 shows the measurement location in the basement (the lowest habitable level of the structure).

3.2 Recommendation For Certification

Residual radioactive materials have been removed from this property to the extent required by the EPA standards (40 CFR 192.12, 192.20-23). (See Certification Data Summary below.)

Therefore, the property located at 310 North 7th Street, in Grand Junction, Colorado, is recommended for certification as required by the UMTRA Project guidelines, and the appropriate record should be documented.

Certification Data Summary

<u>Applicability</u>	<u>Standards</u>	<u>Survey Results</u>
<u>Habitable Structures</u> Exposure Rate:	Shall not exceed 20 $\mu\text{R/h}$ above background.*	Range for the ground floor was 13 $\mu\text{R/h}$ to 16 $\mu\text{R/h}$ and the range for the basement was 15 $\mu\text{R/h}$ to 17 $\mu\text{R/h}$ (Appendix Figure 2.1).
Radon Decay-Product Concentration:	Annual average shall not exceed 0.02 WL, to the extent practicable, and in no case shall exceed 0.03 WL.	Average 0.0053 WL, based on the DOE-approved abbreviated-measurement method (Appendix Table 3.2).
<u>Land</u> Radium-226 Concentration in Surface Soil:	Shall not exceed 5 pCi/g above background** in the 15-cm surface layer, averaged over 100 m^2 .	< 5 pCi/g above background.
Radium-226 Concentration in Subsurface Soils:	Shall not exceed 15 pCi/g above background** in any 15-cm-thick soil layer more than 15 cm below the surface, averaged over 100 m^2 .	The soil sample results ranged from 1.1 pCi/g to 2.9 pCi/g (Appendix Table 3.1).

*The background exposure rate is approximately 15 $\mu\text{R/h}$.

**The background radium-226 concentration is approximately 2.0 pCi/g.

4.0 APPENDIX

Appendix Tables:

Table 3.1 Post-Excavation Sample/Measurement Results

Table 3.2 Radon Decay-Product Concentration (RDC)
Measurement Results

Appendix Figure:

Figure 2.1 Exterior Extent of Contamination - RADIOLOGICAL,
AS-BUILT

Appendix Table 3.1

Post-Excavation Sample/Measurement Results

DOE ID No.: GJ-05712-SC

Address: 310 North 7th Street, Grand Junction, Colorado

The analytical uncertainties in the table are reported at the 95-percent confidence interval. A less-than sign (<) indicates that the minimum detection limit based on Compton background was reached.

Area	Exposure-Rate Range ($\mu\text{R/h}$)	Soil Sample Ticket No.	Ra-226 (pCi/g)	Potassium (pCi/g)	Thorium (pCi/g)
V-1	15 - 18	MNF 026	1.2 \pm 0.3	16.9 \pm 4.1	< 0.2
V-2	15 - 19	MNF 027	2.2 \pm 0.4	15.5 \pm 3.8	1.1 \pm 0.3
V-3	14 - 19	MNF 028	1.9 \pm 0.3	15.6 \pm 3.9	1.6 \pm 0.3
V-4	15 - 19	MNF 029	1.7 \pm 0.3	16.7 \pm 3.9	0.9 \pm 0.2
V-5	15 - 18	MNF 030	2.1 \pm 0.4	16.5 \pm 3.7	1.2 \pm 0.3
V-6	15 - 18	MNF 031	2.2 \pm 0.4	15.0 \pm 3.6	0.9 \pm 0.3
V-7	14 - 19	MNF 032	2.3 \pm 0.4	15.1 \pm 3.6	1.1 \pm 0.3
V-8	15 - 18	MNF 033	2.5 \pm 0.4	15.7 \pm 3.9	< 0.2
V-9	15 - 18	MNF 034	1.4 \pm 0.3	14.1 \pm 3.8	0.6 \pm 0.2
V-10	15 - 18	MNF 035	1.4 \pm 0.3	18.1 \pm 4.1	1.1 \pm 0.3
V-11	15 - 20	MNF 036	1.4 \pm 0.3	15.1 \pm 3.8	0.8 \pm 0.2
V-12	15 - 20	MNF 037	1.4 \pm 0.3	16.6 \pm 3.9	0.6 \pm 0.2
V-13	14 - 19	MNF 038	1.5 \pm 0.3	16.3 \pm 3.9	0.8 \pm 0.2
V-14	14 - 19	MNF 039	1.5 \pm 0.3	15.5 \pm 3.9	1.4 \pm 0.3
V-15	14 - 23	MNF 040	1.4 \pm 0.3	12.9 \pm 3.6	1.3 \pm 0.3
V-16	14 - 17	MNF 041	1.7 \pm 0.3	15.2 \pm 3.8	1.0 \pm 0.3
V-17	14 - 24	MNF 042	1.4 \pm 0.3	15.0 \pm 3.7	0.8 \pm 0.2
V-18	13 - 18	MNF 043	1.1 \pm 0.2	14.7 \pm 3.7	0.8 \pm 0.2
V-19	14 - 17	MNF 044	1.7 \pm 0.3	16.4 \pm 3.9	< 0.1
V-20	14 - 18	MNF 045	1.1 \pm 0.2	17.0 \pm 4.0	0.8 \pm 0.3
V-21	15 - 18	MNF 046	1.1 \pm 0.2	15.7 \pm 3.9	< 0.2
V-22	14 - 19	MNF 047	1.3 \pm 0.3	16.2 \pm 4.0	1.1 \pm 0.3
V-23	14 - 18	MNF 048	1.3 \pm 0.3	15.7 \pm 3.9	0.9 \pm 0.3
V-24	14 - 17	MNF 049	1.2 \pm 0.3	16.2 \pm 4.0	0.9 \pm 0.3
V-25	15 - 18	MNF 050	1.2 \pm 0.3	15.7 \pm 4.2	1.0 \pm 0.3
V-26	14 - 18	MNU 980	2.9 \pm 0.5	14.8 \pm 3.9	1.1 \pm 0.3

Appendix Table 3.1

Post-Excavation Sample/Measurement Results
(continued)

DOE ID No.: GJ-05712-SC

Address: 310 North 7th Street, Grand Junction, Colorado

Area	Exposure-Rate Range ($\mu\text{R/h}$)	Soil Sample Ticket No.	Ra-226 (pCi/g)	Potassium (pCi/g)	Thorium (pCi/g)
V-27	13 - 18	MNU 981	1.4 \pm 0.3	16.7 \pm 4.1	1.1 \pm 0.3
V-28	14 - 17	MNU 982	1.2 \pm 0.3	16.7 \pm 4.0	0.9 \pm 0.3
V-29	15 - 18	MNU 983	2.6 \pm 0.5	16.7 \pm 4.0	1.5 \pm 0.3
V-30	15 - 18	MNU 984	1.5 \pm 0.3	16.8 \pm 4.0	0.9 \pm 0.3
V-31	16 - 23	MNU 985	1.6 \pm 0.3	17.4 \pm 3.8	1.1 \pm 0.3
V-32	15 - 19	MNU 986	2.6 \pm 0.4	15.9 \pm 3.7	1.3 \pm 0.3
V-33	15 - 18	MNU 987	1.8 \pm 0.3	16.8 \pm 3.8	1.3 \pm 0.3
V-34	15 - 18	MNU 988	1.6 \pm 0.3	16.7 \pm 3.7	1.1 \pm 0.3
V-35	15 - 21	MNU 989	1.8 \pm 0.3	15.7 \pm 3.5	1.0 \pm 0.2
V-36	15 - 20	MNU 990	1.8 \pm 0.3	17.9 \pm 3.8	1.0 \pm 0.3
V-37	14 - 18	MNU 991	1.6 \pm 0.3	16.3 \pm 3.7	1.1 \pm 0.3
V-38	16 - 20	MNF 234	2.7 \pm 0.4	14.6 \pm 3.6	1.3 \pm 0.3
V-39	16 - 22	MNF 235	1.8 \pm 0.3	13.8 \pm 3.4	1.1 \pm 0.3
V-40	16 - 19	MNU 992	1.5 \pm 0.3	16.0 \pm 3.6	0.9 \pm 0.2

See Appendix Figure 2.1 for the verification areas.

Appendix Table 3.2

Radon Decay-Product Concentration (RDC) Measurement Results

DOE ID No.: GJ-05712-SC

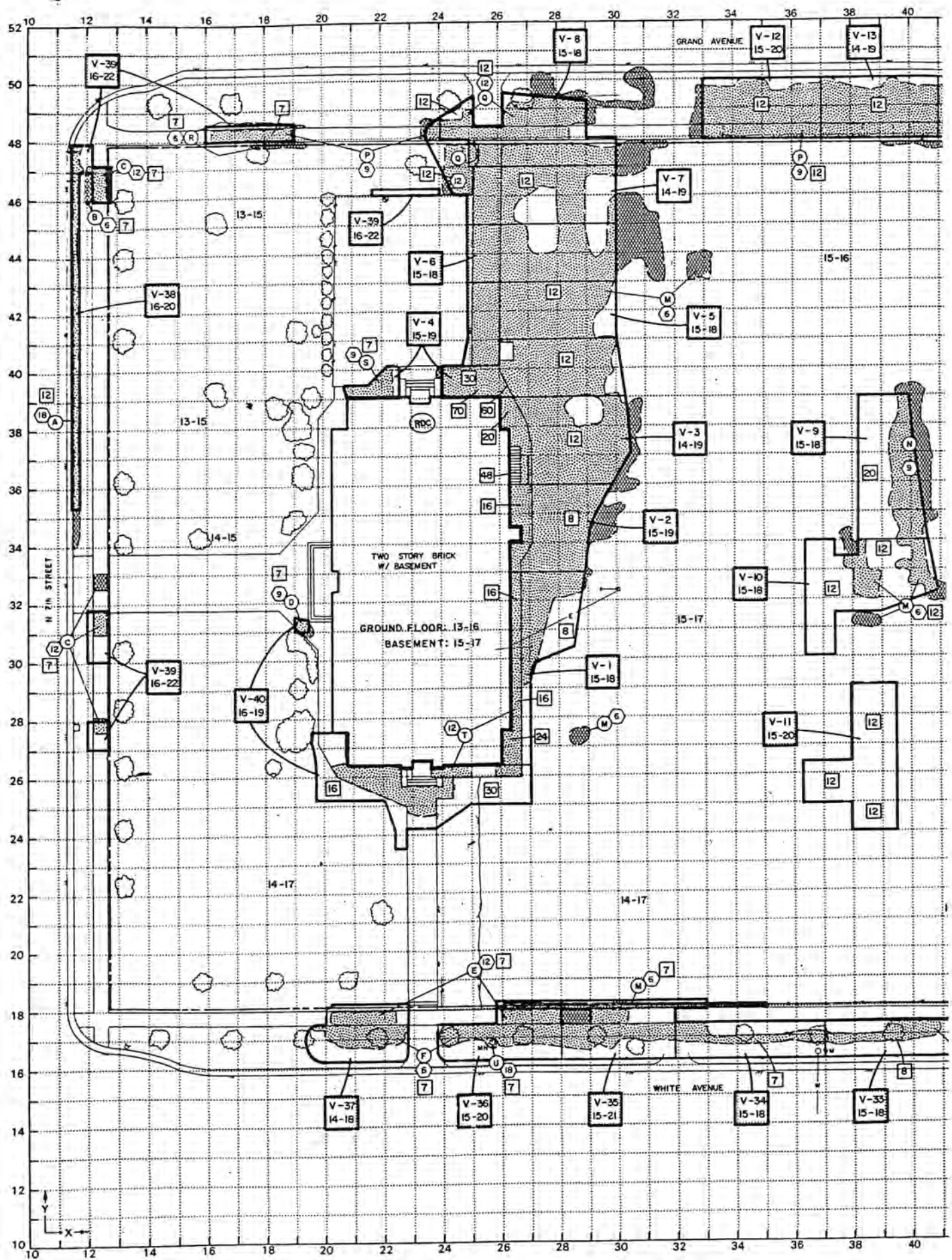
Address: 310 North 7th Street, Grand Junction, Colorado

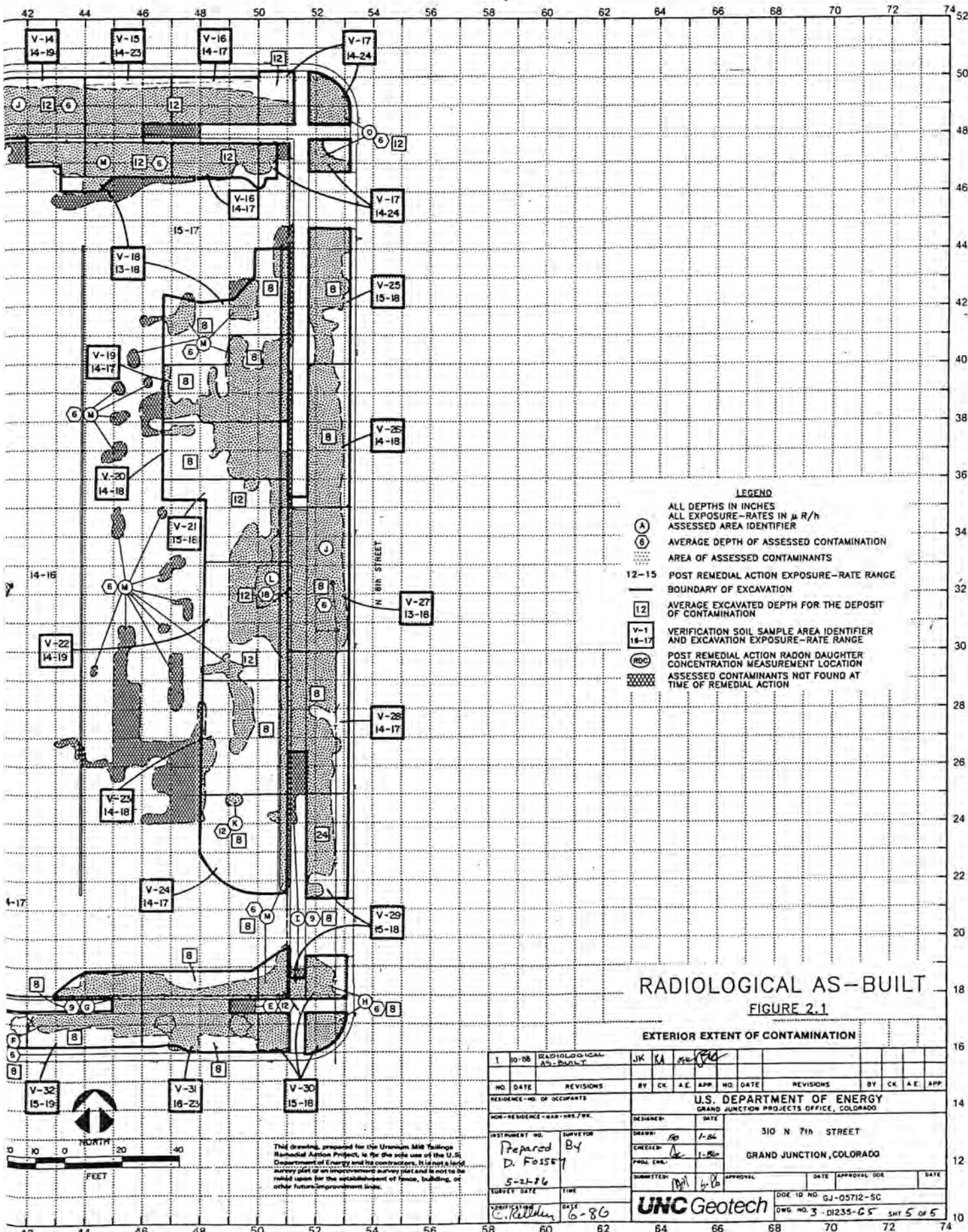
Instrument Type: Terradex Track Etch^R Detector

Detector Number	Start Date	End Date	Tracks Per mm ²	Radon Concentration (pCi/l)	Average Working Level (WL)
506578	09-30-87	08-24-88	8.5	1.06	0.0053
506583	09-30-87	08-24-88	8.1	1.00	0.0050
506565	09-30-87	08-24-88	9.1	1.13	0.0057
Average:					0.0053

See Appendix Figure 2.1 for the measurement location.

BGS:08/30/88
 GJ-05712-SC:PCR-118
 REV041288





RADIOLOGICAL AS-BUILT
FIGURE 2.1

EXTERIOR EXTENT OF CONTAMINATION

1	10-08	RADIOLOGICAL AS-BUILT	JK	KA	ML	PL									
NO	DATE	REVISIONS	BY	CK	A.E.	APP	NO	DATE	REVISIONS	BY	CK	A.E.	APP		
RESIDENCE-NO. OF OCCUPANTS							U.S. DEPARTMENT OF ENERGY GRAND JUNCTION PROJECTS OFFICE, COLORADO								
NON-RESIDENCE-NO. OF OCCUPANTS							310 N 7TH STREET GRAND JUNCTION, COLORADO								
INSTRUMENT NO.	SURVEYOR		DESIGNED:	DATE											
Prepared	By		DRAWN:	1-86											
D. Foster			CHECKED:	1-86											
5-2-86			PROJ. ENCL.												
DATE	TIME		SUBMITTED:	APPROVAL		DATE	APPROVAL DOE	DATE							
6-86			UNC Geotech			DOE ID NO.	GJ-05712-SC								
						DWG. NO.	3-DI235-G5	SHT 5 OF 5							

This drawing, prepared for the Uranium Mill Tailings Remedial Action Project, is for the sole use of the U.S. Department of Energy and its contractors. It is not a legal survey plat or an improvement survey plat and is not to be relied upon for the establishment of fence, building, or other future improvement lines.

DOE ID Number: GJ-05712-SC

Property Address: 310 N. 7th Street

VICINITY PROPERTY CERTIFICATION SUMMARY AND RECOMMENDATION

1. SUMMARY EVALUATION

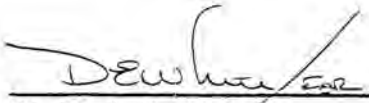
	UNC Geotech			U.S. Department of Energy (DOE)		
	YES	NO	NOT TAKEN	YES	NO	NOT TAKEN
Ra ²²⁶ is <5 pCi/g above background in top 15 cm layer of soil averaged over 100 m ² . in-situ <input checked="" type="checkbox"/> lab <input type="checkbox"/>	* <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ra ²²⁶ is <15 pCi/g above background in any 15 cm layer of soil more than 15 cm below the surface averaged over 100 m ² . in-situ <input type="checkbox"/> lab <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior gamma is <20 uR/h above background in any occupied or habitable structure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The radon-decay product concentration in any occupied or habitable structure is <0.02 Working Levels or at most 0.03 Working Levels.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Supplemental standards were applied in accordance with EPA standards 40 CFR 192.21.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS: * The excavations were backfilled with materials which were measured at the source showing that the Ra-226 concentrations are in the range of normal background. Other surface areas were verified on the basis of gamma exposure rates which do not exceed 30-percent above normal background.

2. UNC GEOTECH RECOMMENDATION

Based on the UNC's evaluation, I recommend this property for:

- Certification by the Department of Energy.
- Certification by the Department of Energy with the concurrence of the Nuclear Regulatory Commission because Supplemental Standards were applied per 40 CFR 192.21.




Michael E. Madson
UMTRA Program Manager
UNC Geotech

January 17, 1989
Date

3. DOE UMTRA EVALUATION

- Should be certified by the Department of Energy.
- Should be certified by the Department of Energy with the concurrence of the Nuclear Regulatory Commission because Supplemental Standards were applied per 40 CFR 192.21.



Michael K. Tucker
DOE UMTRA Certification Official

February 14, 1989
Date



Department of Energy
Post Office Box 2567
Grand Junction, Colorado 81502-2567

February 15, 1989

Location No.: GJ-05712

Address: 310 N. 7th Street
Grand Junction, CO

Mesa County School District 51
ATTN: Lou Grasso, Superintendent
2115 Grand Avenue
Grand Junction, CO 81501

Dear Mr. Grasso:

Under the Uranium Mill Tailings Radiation Control Act of 1978, Public Law 95-604, the Department of Energy (DOE) in cooperation with the Colorado Department of Health, has completed remedial action at the property address listed above. Review of the available data indicates that your property has been cleared of residual radioactive contamination to the extent required by the Environmental Protection Agency (EPA) standards (40 CFR 192). Therefore, the DOE certifies that your property is in compliance with the EPA standards.

The current status of your property will be recorded by the State on the appropriate property records, per requirements of Public Law 95-604. Records of UMTRA vicinity properties are archived with the State and the United States Department of Energy.

Should you have any questions regarding the project or your property, please call me at 303-248-6004 or G. A. Franz, III, Supervisory Health Physicist, Colorado Department of Health, at 303-248-7164. Your cooperation in the successful accomplishment of this work has been greatly appreciated.

Very truly yours,

A handwritten signature in cursive script that reads "Michael K. Tucker".

Michael K. Tucker
Certification Official

cc: G.A. Franz, III - CDH
M. Madson - UNC

STATE OF COLORADO

COLORADO DEPARTMENT OF HEALTH

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Laboratory Building
Denver, Colorado 80222-1530 4210 E. 11th Avenue
Phone (303) 692-2000 Denver, Colorado 80220-3716
(303) 691-4700



Roy Romer
Governor

Patricia A. Nolan, MD, MPH
Executive Director

ASBESTOS ABATEMENT PERMIT

THIS PERMIT IS GRANTED SUBJECT TO THE COLORADO AIR QUALITY CONTROL COMMISSION'S REGULATION NO. 8, ADOPTED MAY 20, 1993 AND EFFECTIVE JUNE 30, 1993. IT IS ONLY FOR THE PURPOSE OF ALLOWING ASBESTOS ABATEMENT. AS A CONTRACTOR, YOU MAY BE SUBJECT TO OTHER LICENSES AND PERMITS, DEPENDING ON THE REQUIREMENTS OF THE COUNTY AND MUNICIPALITY IN WHICH THE WORK IS BEING PERFORMED.

THE COLORADO DEPARTMENT OF HEALTH, AIR POLLUTION CONTROL DIVISION STRONGLY SUGGESTS THAT YOU CHECK WITH COUNTY AND MUNICIPAL AUTHORITIES IN ORDER TO DETERMINE ANY OTHER LOCAL BUILDING/PERMITTING REQUIREMENTS THAT MUST BE MET.

THIS ORIGINAL PERMIT MUST BE POSTED ON SITE AT ALL TIMES.

THIS EMISSION PERMIT IS VALID FROM 07/18/94 THROUGH 10/15/94

THIS PERMIT HAS BEEN ISSUED TO:

84-1128830
NELSON ENGINEERING & CONSTRUC.
321 S. REDLANDS RD.
GRAND JUNCTION, CO 81503-

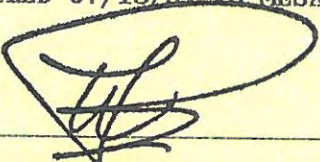
FOR THE LOCATION SPECIFIED BELOW:

R-5 HIGH SCHOOL
7TH & GRAND AVENUE
GRAND JUNCTION, CO 81501-
MESA COUNTY

THE ACTUAL SCHEDULED WORK DATES ARE FROM 07/18/94 THROUGH 08/25/94
IF THESE SCHEDULED WORK DATES CHANGE, NOTIFY TOM BAIN BY FAX AT 782-5493 AND
PHONE THE COUNTY HEALTH DEPARTMENT IMMEDIATELY.

VARIANCE REQUEST FORM DULY NOTED IN FILE.
Project Supervisor: THOMAS NELSON 523-64-6063

COPY MAILED 07/18/94 TO MESA COUNTY

ISSUED BY: WTB 

TITLE: INDUSTRIAL HYGIENIST

RECORD # 12931
PERMIT # 94ME1894A

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE AIR QUALITY CONTROL ACT C.R.S. 1982 & 1989 (25-7-101 and 25-7-501 et seq)

sd/ldd 06/93


H:\data\docs\masters\permit.mst

RECEIPT
Colorado Dept. of Health
AIR POLLUTION CONTROL DIVISION-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80222-1530

DATE: 07/18/94
PERMIT #: 94ME1894A
AMOUNT: \$ 550
CHECK #: 6116
RECORD #: 12931

For: R-5 HIGH SCHOOL
7TH & GRAND AVENUE
GRAND JUNCTION, CO 81501-

Received from: NELSON ENGINEERING & CONSTRUC.
321 S. REDLANDS RD.
GRAND JUNCTION, CO 81503-

Received by: 



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 559045

Section I. GENERATOR (Generator completes all of Section I)

a. Generator Name: Mesa County School Dist 51 b. Generating Location: R-5 High School
 c. Address: 2115 Grand Ave d. Address: 7th & Grand Ave
Grand Junction Co Grand Jct Co
 e. Phone No.: 303 245-2422 f. Phone No.: 303 242-4356

If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: _____ h. Owner's Phone No.: _____

i. BFI WASTE CODE

C	0	2	3	4	9	4	0	8	1	7
---	---	---	---	---	---	---	---	---	---	---

 Containers _____
 j. Description of Waste: Asbestos-pipe k. Quantity _____ Units _____ No. _____ TYPE DM
& boiler insulation

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert H. Strobl Robert H. Strobl

0	8	1	7	9	4
---	---	---	---	---	---

 Generator Authorized Agent Name Signature Shipment Date

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I
 a. Name: Thomas J Nelson/Engineering
 b. Address: 321 S. Redlands Rd
Grand Jct Co 81503
 c. Driver Name/Title: Thomas J Nelson/Pres
 PRINT/TYPE
 d. Phone No.: 303 241-0429 e. Truck No.: 1
 f. Vehicle License No./State: RE 4861 / Mich
 Acknowledgement of Receipt of Materials.
 g. Thomas J Nelson

0	8	1	7	9	4
---	---	---	---	---	---

 Driver Signature Shipment Date

TRANSPORTER II
 h. Name: _____
 i. Address: _____
 j. Driver Name/Title: _____
 PRINT/TYPE
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials.
 n. _____

--	--	--	--	--	--

 Driver Signature Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a. Site Name: B.F.I. OF COLORADO, INC. Phone No.: 303-241-6846
MESA COUNTY DANFILL
 b. Physical Address: 3071 Hwy 50 d. Mailing Address: _____
Grand Junction, CO 81503
 e. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. K. Roll [Signature]

0	8	1	7	9	4
---	---	---	---	---	---

 Name of Authorized Agent Signature Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

a. Operator's* Name: Nelson Engineering & Const Inc b. Operator's* Phone No.: 303 241 0429
 c. Operator's* Address: 321 S. Redlands Grand Junction, Co 81503
 d. Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

e. Operator's* Name & Title: Thomas J Nelson Pres Thomas J Nelson

0	8	1	7	9	4
---	---	---	---	---	---

 Print/Type Operator's* Signature Date
 f. Name and Address of Responsible Agency: Nelson Engineering & Const Inc 321 S. Redlands Grand Jct Co
 g. Friable; Non-friable; Both 100 % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation.

GENERATOR RETAIN

Phase Con Industrial Hygiene - Asbestos Specialists

PCM Laboratory Analysis - ORM, NIOSH 7400 Method ('A' Rules)

```

=====
CLIENT      : Masa County School District      SAMPLING DATE: 08/09/94
              Grand Junction, CO              ANALYSIS DATE: 08/09/94
PROJECT     : R5 High School                  PHASECON PROJ #: 4-8-8D
              Grand Junction, CO              AIHA AAR #: ----
ANALYST     : Reservoirs Environmental         AIHA PAT #: 80228-001
=====
  
```

SAMPLE # ARCHIVE#	SAMPLE DESCRIPTION	START/STOP TOTAL TIME	FLOWRATE AIR VOLUME	FBRs/FLDS FBRs/CC
R5-01	Final Clearance; Inside Enclosure Pink Room Center Of Room	1135/1405 150 min	8.16 lpm 1224 L	SENT FOR TEM
R5-02	Final Clearance; Inside Enclosure Pink Room Center Of Room	1135/1405 150 min	8.81 lpm 1322 L	SENT FOR TEM
R5-03	Final Clearance; Inside Enclosure Boiler Room Near NAM	1135/1407 152 min	8.16 lpm 1240 L	SENT FOR TEM
R5-04	Final Clearance; Inside Enclosure Boiler Room Near NAM	1135/1407 152 min	9.45 lpm 1436 L	SENT FOR TEM
R5-05	Final Clearance; Inside Enclosure In Tunnel Middle	1133/1412 159 min	9.45 lpm 1503 L	SENT FOR TEM

R5 HS

=====
 * five out
TEM Analys

=====
 lected but not analyzed
rvoirs Environmental See Attached Pages

ANALYST: _____

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896

TABLE I. TEM AIR FILTER SAMPLE DATA AND ANALYTICAL RESULTS

RES Job Number: RES 21504
 Client: Phase Con
 Client Project: Mesa Schools - R5 High School
 Date Samples Received: August 10, 1994
 Analysis Type: TEM AHERA
 Turnaround: 6 Hour

Client ID Number	Lab ID Number	Area Analyzed (mm ²)	Air Volume Sampled (L)	Number of Asbestos Structures Detected	Analytical Sensitivity (s/cc)	Asbestos Concentration (s/cc)	Filter Loading (s/mm ²)
R5-01	EM 134359	0.0721	1224	19	0.0044	0.0829	263.5
R5-02	EM 134360	0.0618	1322	24	0.0047	0.1131	388.3
R5-03	EM 134361	0.0721	1240	19	0.0043	0.0818	263.5
R5-04	EM 134362	0.0618	1436	19	0.0043	0.0824	307.4
R5-05	EM 134363	0.0618	1503	7	0.0041	0.0290	113.3
R5-06	EM 134364	NA	1322				
R5-07	EM 134365	NA	1540				
R5-08	EM 134366	NA	1488				
R5-09	EM 134367	NA	1338				
R5-10	EM 134368	NA	1578				
R5-11	EM 134369	NA					
R5-12	EM 134370	NA					
R5-13	EM 134371	NA					

NA = Not Analyzed
 ND = None Detected
 BAS = Below Analytical Sensitivity
 Average Grid Opening = 0.0103 sq mm
 Filter Material = Mixed Cellulose Ester
 Filter Diameter = 25 mm
 Effective Filter Area = 385 sq mm
AVERAGE FILTER LOADING: 267.2
 (Inside samples)

[Signature]
 DATA QA

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896

TABLE II. SUMMARY OF ANALYTICAL DATA

RES Job Number: RES 21504
 Client: Phase Con
 Client Project: Mesa Schools - R5 High School
 Date Samples Received: August 10, 1994
 Analysis Type: TEM AHERA
 Turnaround: 6 Hour

Client ID Number	Lab ID Number	Asbestos Mineral	Asbestos Structure Types*			Structures > 5 Microns in Length	Excluded** Structures	Asbestos Structures for Concentration
			Fibers	Bundles	Clusters			
R5-01	EM 134359	Chrysotile	1	6	0	12	8	2-L
R5-02	EM 134360	Chrysotile	5	10	2	7	6	0
R5-03	EM 134361	Chrysotile	2	12	0	5	1	0
R5-04	EM 134362	Chrysotile	0	11	2	6	3	0
R5-05	EM 134363	Chrysotile	2	2	0	3	0	0

* See Analytical Procedure for definitions

** C = Excluded from total due to lack of confirmation

L = Excluded from total for length less than 0.5 micron (AHERA only)

A = Excluded from total due to incorrect aspect ratio

ND = None Detected

Phase Con Industrial Hygiene - Asbestos Specialists

PCM Laboratory Analysis - ORM, NIOSH 7400 Method ('A' Rules)

CLIENT : Masa County School District SAMPLING DATE: 08/13/94
 Grand Junction, CO ANALYSIS DATE: 08/15/94
 PROJECT : R5 High School PHASECON PROJ #: 4-8-13R1
 Grand Junction, CO AIHA AAR #: ----
 ANALYST : Reservoirs Environmental AIHA PAT #: 80228-001

SAMPLE # ARCHIVE#	SAMPLE DESCRIPTION	START/STOP TOTAL TIME	FLOWRATE AIR VOLUME	FBRs/FLDS FBRs/CC
R5-6	Final Clearance; Inside Enclosure Right Of Fire Door	0745/0955 130 min	10.00 lpm 1300 L	SENT FOR TEM
R5-7	Final Clearance; Inside Enclosure Left Of Fire Door	0745/0955 130 min	10.00 lpm 1300 L	SENT FOR TEM
R5-8	Final Clearance; Inside Enclosure Near Decon & Window	0750/1000 130 min	10.00 lpm 1300 L	SENT FOR TEM
R5-9	Final Clearance; Inside Enclosure Near Entrance	0750/1000 130 min	10.00 lpm 1300 L	SENT FOR TEM
R510	Final Clearance; Inside Enclosure In Tunnel Ent.	0750/1010 130 min	10.00 lpm 1300 L	SENT FOR TEM

* five outside sample were collected but not analyzed
 TEM Analysis Performed By Reservoirs Environmental See Attached Pages

ANALYST: Rocky Lyons

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896

TABLE I. TEM AIR FILTER SAMPLE DATA AND ANALYTICAL RESULTS

RES Job Number: RES 21604
 Client: Phase Con
 Client Project: R5 / Nelson Const.
 Date Samples Received: August 15, 1994
 Analysis Type: TEM AHIERA
 Turnaround: 6 Hour

Client ID Number	Lab ID Number	Area Analyzed (mm ²)	Air Volume Sampled (L)	Number of Asbestos Structures Detected	Analytical Sensitivity (s/cc)	Asbestos Concentration (s/cc)	Filter Loading (s/mm ²)
R5-1	EM 134957	NA	1400		---	---	---
R5-2	EM 134958	NA	1400		---	---	---
R5-3	EM 134959	NA	1400		---	---	---
R5-4	EM 134960	NA	1400		---	---	---
R5-5	EM 134961	NA	1400		---	---	---
R5-6	EM 134962	0.0618	1300	ND	0.0048	BAS	BAS
R5-7	EM 134963	0.0618	1300	ND	0.0048	BAS	BAS
R5-8	EM 134964	0.0618	1300	ND	0.0048	BAS	BAS
R5-9	EM 134965	0.0618	1300	ND	0.0048	BAS	BAS
R5-10	EM 134966	0.0618	1300	ND	0.0048	BAS	BAS
R5-11	EM 134967	NA	0		---	---	---
R5-12	EM 134968	NA	0		---	---	---
R5-13	EM 134969	NA	0		---	---	---

NA = Not Analyzed
 ND = None Detected
 BAS = Below Analytical Sensitivity
 Average Grid Opening = 0.0103 sq mm
 Filter Material = Mixed Cellulose Ester
 Filter Diameter = 25 mm
 Effective Filter Area = 385 sq mm
 AVERAGE FILTER LOADING: 0.0
 (Inside samples)

[Signature]
 DATA QA

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896

TABLE II. SUMMARY OF ANALYTICAL DATA

RES Job Number: RES 21604
 Client: Phase Con
 Client Project: R5 / Nelson Const.
 Date Samples Received: August 15, 1994
 Analysis Type: TEM AHERA
 Turnaround: 6 Hour

Client ID Number	Lab ID Number	Asbestos Mineral	Asbestos Structure Types*			Structures > 5 Microns in Length	Excluded** Structures	Asbestos Structures for Concentration
			Fibers	Bundles	Clusters			
R5-6	EM 134962	ND	0	0	0	0	0	0
R5-7	EM 134963	ND	0	0	0	0	0	0
R5-8	EM 134964	Chrysotile	0	0	0	0	1-L	0
R5-9	EM 134965	ND	0	0	0	0	0	0
R5-10	EM 134966	Chrysotile	0	0	0	0	1-L	0

* See Analytical Procedure for definitions
 ** C = Excluded from total due to lack of confirmation
 L = Excluded from total for length less than 0.5 micron (AHERA only)
 A = Excluded from total due to incorrect aspect ratio
 ND = None Detected

Phase Con Industrial Hygiene - Asbestos Specialists

PCM Laboratory Analysis - ORM, NIOSH 7400 Method ('A' Rules)

CLIENT : Masa County School District SAMPLING DATE: 08/12/94
 Grand Junction, CO ANALYSIS DATE: 08/12/94
 PROJECT : R5 High School PHASECON PROJ #: 4-8-13R1
 Grand Junction, CO AIHA AAR #: ----
 ANALYST : Rocky Livingston AIHA PAT #: 80228-001

SAMPLE # ARCHIVE#	SAMPLE DESCRIPTION	START/STOP TOTAL TIME	FLOWRATE AIR VOLUME	FBRs/FLDS FBRs/CC
R5-1	Final Clearance; Inside Enclosure Next To Boys Bathroom 1st Floor North East Closet	1500/1712 132 min	10.00 lpm 1320 L	18.0/100 0.007 f/cc
R5-2	Final Clearance; Inside Enclosure Next To Boys Bathroom 1st Floor North East Closet	1500/1712 132 min	10.00 lpm 1320 L	13.5/100 0.005 f/cc
R5-3	Final Clearance; Inside Enclosure Next To Boys Bathroom 2nd Floor North East Closet	1505/1715 130 min	10.00 lpm 1300 L	16.5/100 0.006 f/cc
R5-4	Final Clearance; Inside Enclosure Next To Boys Bathroom 2nd Floor North East Closet	1505/1715 130 min	10.00 lpm 1300 L	15.0/100 0.006 f/cc
R5-5	Final Clearance; Inside Enclosure Next To Girls Bathroom Southeast Closet	1515/1726 131 min	10.00 lpm 1310 L	13.0/100 0.005 f/cc
R5-6	Final Clearance; Inside Enclosure Next To Girls Bathroom Southeast Closet	1515/1726 131 min	10.00 lpm 1310 L	10.5/100 0.004 f/cc
R5-7	Field Blank	----/---- -----	----- -----	1.0/100
R5-8	Laboratory Blank	----/---- -----	----- -----	1.0/100
R5-9	Blank	----/---- -----	----- -----	1.0/100

BLQ - below limit of quantitation

ANALYST: Rocky Livingston

DAILY LOG

DATE Aug 19, 1995 SUPERVISOR ERIC NILSEN

SCHOOL B-5 High School ROOM HALL

ACM TYPE Vinyl Asbestos TILE QUANTITY 200 SF

NAME ERIC NILSEN TYPE RESP. 2 drums - VAT & Poly
NORTH 1/2 FACE

NAME _____ TYPE RESP. _____

NAME _____ TYPE RESP. _____

NAME _____ TYPE RESP. _____

AIR SAMPLE R5-AP-70

PROTECTIVE CLOTHING: COVERALLS HOOD BOOTIES

HARD HAT _____ SAFETY GLASSES SAFETY HARNESS _____

OTHER _____ STEEL TOE BOOTS

RESPIRATOR H.E.P.A. FILTER(S)

ENGINEERING CONTROLS: POSTING WALL POLY _____

FLOOR POLY _____ SECONDARY SHROUD NEG. AIR

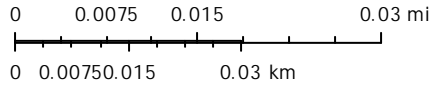
GLOVE BAG _____ SHOWER _____ WATER FILTER _____

TASKS BEING PERFORMED: REMOVAL OF 200 SF OF 9x9 VAT
FROM NORTH END ON MAIN CORRIDOR END 1ST FLOOR.
ISOLATED WORK AREA WITH 6 MIL POLY OVER DOORS
& CRITICALS - HUNG POLY WALL ACROSS HALL - VENTED
1000 CFM HEPA FAN OUTSIDE THROUGH FRONT DOORS.
POSTED WORK AREA ENTRANCES. WET VAT WITH
AMENDED WATER - REMOVED TILE & FELT BACKING WITH
A HAND SCRAPER - PLACED WASTE IN A DOUBLE
SIX MILL POLY BAGS - PLACED BAGS IN 255 GAL STEEL
DRUMS. HEPA VACUUMED FLOOR & WET WIPED WALLS.
TOOK DOWN AND PACKAGED POLY AS HWM WASTE.



Mesa County Map

The Geographic Information System (GIS) and its components are designed as a source of reference for answering inquiries, for planning and for modeling. GIS is not intended or does not replace legal description information in the chain of title and other information contained in official government records such as the County Clerk and Records office or the courts. In addition, the representations of location in this GIS cannot be substituted for actual legal surveys. The information contained herein is believed accurate and suitable for the limited uses, and subject to the limitations, set forth above. Mesa County makes no warranty as to the accuracy or suitability of any information contained herein. Users assume all risk and responsibility for any and all damages, including consequential damages, which may flow from the user's use of this information.

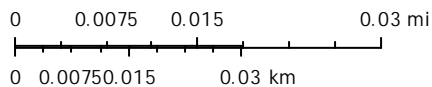


1966 aerial
Mesa County, Colorado
 GIS/IT Department
gis.mesacounty.us



Mesa County Map

The Geographic Information System (GIS) and its components are designed as a source of reference for answering inquiries, for planning and for modeling. GIS is not intended or does not replace legal description information in the chain of title and other information contained in official government records such as the County Clerk and Records office or the courts. In addition, the representations of location in this GIS cannot be substituted for actual legal surveys. The information contained herein is believed accurate and suitable for the limited uses, and subject to the limitations, set forth above. Mesa County makes no warranty as to the accuracy or suitability of any information contained herein. Users assume all risk and responsibility for any and all damages, including consequential damages, which may flow from the user's use of this information.



1994 aerial

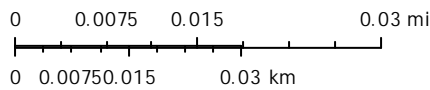
Mesa County, Colorado

GIS/IT Department
gis.mesacounty.us



Mesa County Map

The Geographic Information System (GIS) and its components are designed as a source of reference for answering inquiries, for planning and for modeling. GIS is not intended or does not replace legal description information in the chain of title and other information contained in official government records such as the County Clerk and Records office or the courts. In addition, the representations of location in this GIS cannot be substituted for actual legal surveys. The information contained herein is believed accurate and suitable for the limited uses, and subject to the limitations, set forth above. Mesa County makes no warranty as to the accuracy or suitability of any information contained herein. Users assume all risk and responsibility for any and all damages, including consequential damages, which may flow from the user's use of this information.



2012 aerial

Mesa County, Colorado

GIS/IT Department
gis.mesacounty.us

APPENDIX C
SITE PHOTOGRAPHS



Front of building looking east



Back of building looking southwest



Modular looking east



Parking area; paved in foreground and gravel in background. View to northeast.



Typical attic space showing new HVAC ducting.



View to south from roof showing weather station, HVAC units, and flat and sloping portions of roof.



Hallway showing carpeting and ceiling tiles



Typical classroom



View of basement utilities

APPENDIX D

**ENVIRONMENTAL PROFESSIONAL
QUALIFICATIONS**

EDWARD M. BALTZER, CPG, CHMM

Manager, Regulatory Specialist, and Environmental Scientist

KEY EXPERTISE

- ✓ Phase I Environmental Site Assessments
- ✓ Permitting and Regulatory Support
- ✓ Environmental Site Characterization
- ✓ Soil, Groundwater, and Asbestos Investigations and Remediation
- ✓ Industrial Hygiene and Worker Health and Safety
- ✓ Hazardous Waste Handling and Disposal
- ✓ Voluntary Cleanup Plans

EDUCATION AND CERTIFICATIONS

M.A., Geology and Environmental Sciences, State University of New York, 1989
B.A., Environmental Engineering, University of Colorado, 1981
Certified Hazardous Material Manager (CHMM) #11357
Registered Professional Environmental Scientist #5078, Colorado Oil Inspection Section
Wyoming Registered Professional Geologist PG-3325
Certified Professional Geologist (AIPG) CPG 8861
Asbestos Inspector, EPA and Colorado #8738
Asbestos Project Designer, EPA and Colorado #8738
OSHA 40-hour Hazardous Waste Operations Worker and 8-hour Supervisor training

EXPERIENCE SUMMARY

Mr. Baltzer has 35 years of professional experience including 25 as an environmental consultant and 10 as a soil geologist and Quaternary tectonics specialist. He has performed environmental and geologic investigations on hundreds of sites, has prepared written reports for most of these, and has delivered oral presentations on several dozen topics. He is responsible for evaluating the presence and/or extent of contamination at sites. He provides regulatory, technical, and managerial assistance on Phase I ESAs, asbestos, voluntary cleanup, hazardous waste, TSCA, ecological, and other types of environmental projects.

PROFESSIONAL AFFILIATIONS

EPA/NGWA Advisory Council member for the Remediation of Abandoned Mine Lands Conference
AIPG Annual Convention Planning Committee and Chief Editor, 2009 National Convention
Mesa County Indoor Air Task Force member, 2007 to present
Former Chair and Vice Chair, Mesa County (Colorado) Local Emergency Planning Committee (LEPC)
American Institute for Professional Geologists (AIPG) Associate Editor
Member, Mesa State College Environmental Restoration Education Advisory Committee
Part time professor of Environmental Restoration at Mesa State College, 2005 to present
Mesa County Household Hazardous Waste Task Force member, 1994-1996
Former Town Councilman and Volunteer Firefighter

PUBLICATIONS, PRESENTATIONS, AND AWARDS

Service to Geology Award, December, 2009 from the American Institute of Professional Geologists
Recognition by USFS chief for vital role in “the best example of a land exchange in the nation”, 2005
Guest lecturer, Mesa State College Environmental Restoration Program, 1993-present.
Colorado Produced Water Rules – Western COGA environmental summit, 2010
Preservation of Water Quality near a Surface Mine, Northwestern Colorado. 2007 GSA convention.
Neotectonics of the Lemhi Fault, Geological Society of America, Northwest Section Meeting, 1989.
Use of Remote Sensing to Define Fault Traces, Central Utah. American Society of Remote Sensing, 1982.
Co-author of numerous geologic reports, U.S. Bureau of Reclamation, 1981-1985

July 7, 2015

Mr. Tim Moore
City of GJ DDA
437 Colorado Ave
Grand Junction CO 81501

RE: Asbestos Inspection
310 N. 7th Street, Grand Junction, CO
Avant Project No. 9042-2

Dear Mr. Moore:

At your request, Avant Environmental Services, Inc. (Avant) performed an asbestos inspection of the above-referenced school building. It is a two-story masonry and brick building with plaster interior walls; plaster and ceiling-tile ceilings; carpeted, ceramic tile, and concrete floors; and a shingle and tar and aggregate roof. The building was inspected on June 29, 2015 by Edward Baltzer, an asbestos inspector certified by the EPA and the Colorado Department of Public Health and Environment's Air Pollution Control Division (APCD). Work conformed to the APCD Regulation 8, Part B, governing asbestos inspections. Samples were placed into individual containers, labeled, and recorded on field notes and on a chain-of-custody form, and shipped to Reservoirs Environmental Laboratories in Denver, Colorado for polarized-light microscopic analysis using calibrated visual area estimating. Reservoirs is certified by NAVLAP for asbestos analysis.

Avant obtained 14 bulk samples of potentially asbestos-containing building materials (ACM). Samples include seven samples of interior plaster, two of ceiling tiles, one of a vibration damper, two of floor tiles from the stairs, and two of mop board trim.

Materials Description – Observed non-asbestos materials included concrete, brick, cinder block, carpeting, glass, wood, metal, fiberglass, wiring, and pipes. Potential asbestos-containing building materials that were observed and sampled during the inspection, their approximate extent, and asbestos content are listed below. The laboratory analytical data sheets and the chain-of-custody form are attached to this letter.

Interior Plaster, H01 – This material is located throughout the interior of the structure, and covers approximately 140,000 square feet of walls and ceilings. Seven samples were obtained, with four of those having between a trace and 0.25% chrysotile asbestos in a gray granular base layer that ranged from 50% to 95% of the plaster layer thickness.

Ceiling Tile, H02 – This material is in upstairs and downstairs hallways, and is installed beneath the original plaster ceiling. Two samples of this material were found to have no asbestos.

Cloth Vibration Damper, H03 – This material is on an out-of-service blower located in the attic. It was attached to the outlet duct on the blower, and was found to contain no asbestos.

Floor Tile, 12", H04 – Two samples of 12-inch floor tiles located on the stairs were sampled and found to contain no asbestos.

Brown Mop Board, H05 – Two samples of brown mop board were obtained and found to contain no asbestos in the sample or in the mastic.

Conclusions and Recommendations – Asbestos was identified in the base layer of plaster throughout the interior of the structure. Point-count analysis determined that there is 0.25% or less asbestos present. As such, the plaster is not regulated by Colorado Regulation 8. OSHA worker protection rules may apply to employers and workers who damage or demolish the material. Any maintenance personnel or construction or demolition contractors who work with the plaster in a manner that could damage it should be made aware of the presence of asbestos in the plaster. OSHA Asbestos Awareness Training may be required for maintenance personnel.

Please contact me with any questions at (970) 260-8468. Thank you for selecting Avant for your project.

Sincerely,



Edward M. Baltzer, CPG 8861, CHMM
General Manager

Attachments: Chain-of-Custody Form
Analytical Results
Asbestos Certifications



July 7, 2015

Subcontract Number: NA
Laboratory Report: RES 325007-2
Project # / P.O. # 9042-2
Project Description: R-5

Avant Environmental Inc.
120 Mesa Grande Dr.
Grand Junction CO 81507

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 325007-2 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,


Elisa Mari for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 325007-2**
 Client: **Avant Environmental Inc.**
 Client Project Number / P.O.: **9042-2**
 Client Project Description: **R-5**
 Date Samples Received: **July 01, 2015**
 Method: **EPA 600/R-93/116 - Point Count, Bulk**
 Turnaround: **3-5 Day**
 Date Samples Analyzed: **July 07, 2015**

ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
H01-1	EM 1439862	A	White plaster w/ white paint	50		ND	0	100
		B	Gray granular plaster	50	Chrysotile Point Count	TR <0.25	TR	100
H01-2	EM 1439863	A	White plaster w/ white/multi-colored paint	15		ND	0	100
		B	Gray granular plaster	85	Chrysotile Point Count	TR 0.25	TR	100
H01-3	EM 1439864	A	White plaster w/ white paint	10		ND	0	100
		B	Gray granular plaster	90	Chrysotile Point Count	TR <0.25	TR	100
H01-4	EM 1439865	A	White plaster w/ white/multi-colored paint	20		ND	0	100
		B	Brown granular plaster	80		ND	TR	100
H01-5	EM 1439866	A	White plaster w/ white/multi-colored paint	5		ND	0	100
		B	Gray granular plaster	95		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 325007-2**
 Client: **Avant Environmental Inc.**
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
H01-6	EM 1439867	A	White plaster w/ cream paint	15	Chrysotile Point Count	ND	0	100
		B	Gray granular plaster	85		TR	TR	100
H01-7	EM 1439868	A	Brown granular plaster w/ white & pink paint	100		<0.25	TR	100
H02-1	EM 1439869	A	Gray ceiling tile	100		ND	50	50
H02-2	EM 1439870	A	Gray & white ceiling tile	100		ND	50	50
H03-1	EM 1439871	A	Tan woven fibrous material	100		ND	98	2
H04-1	EM 1439872	A	Yellow mastic w/ brown granular material	4		ND	0	100
		B	Red resinous material w/ brown/multi-colored paint	36		ND	0	100
		C	White tile	60		ND	0	100
H04-2	EM 1439873	A	Yellow mastic	TR		ND	0	100
		B	White tile	100		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0


TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME


RES Job Number: **RES 325007-2**
 Client: **Avant Environmental Inc.**
 Client Project Number / P.O.: **9042-2**
 Client Project Description: **R-5**
 Date Samples Received: **July 01, 2015**
 Method: **EPA 600/R-93/116 - Point Count, Bulk**
 Turnaround: **3-5 Day**
 Date Samples Analyzed: **July 07, 2015**

ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
H05-1	EM 1439874	A	Tan mastic	1		ND	0	100
		B	Brown cove base	99		ND	0	100
H05-2	EM 1439875	A	Tan mastic	1		ND	0	100
		B	Brown cove base	99		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.


 Robert R. Workman Jr.
 Analyst


 Liu Wenlong
 Analyst / Data QA

Due Date: 7-21-15
 Due Time: 1:30

REILAB Reservoirs Environmental, Inc.
 5801 Logan St. Denver, CO 80216 • Ph. 303-954-1988 • Fax 303-477-4275 • Toll Free 866-RES-ENV
 Pager: 303-509-2098

Job # 325007
 Page 2 of 2

INVOICE TO: (IF DIFFERENT)

Company Avant Environmental	Company REILAB
Address 190 Mesa Grande Dr	Address 5801 Logan St. Denver, CO 80216
Project Number and/or P.O. # 9042-2	Project Description/Location R-5
Project Description/Location Grand Junction, CO 81507	Final Data Deliverable Email Address

CONTACT INFORMATION:

Contact Phone	Contact Phone
Fax	Fax
Cell/pager	Cell/pager

Client sample ID number <i>(Sample ID's must be unique)</i>	REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES:
	ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm PLM / PCM / TEM RUSH (Same Day) <input checked="" type="checkbox"/> PRIORITY (Next Day) STANDARD (Rush PCM = 2hr, TEM = 6hr.)	CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm Metal(s) / Dust RUSH 24 hr. 3-5 Day RUSH 5 day 10 day RUSH 24 hr. 3 day 5 Day RCRA 8 / Metals & Welding Fume Scan / TCLP Organics MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm E.coli O157:H7, Coliforms, S.aureus Salmoneilla, Listeria, E.coli, APC, Y & M Mold **Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**	Air = A Bulk = B Dust = D Paint = P Soil = S Wipe = W Swab = SW Drinking Water = DW Waste Water = WW O = Other **ASTM E1792 approved wipe media only**	EM Number (Laboratory Use Only)	
1 H04-1	✓	PLM - Short report, Long report, Point Count	TEM - AHERA Level II, 7402 ISO, +/-, Quant. Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analytes) RCRA 8, TCLP, Welding Fume, Metals Scan	
2 H04-2	✓				
3 H05-1	✓				
4 H05-2	✓				
5					
6					
7					
8					
9					
10					

Number of samples received: 10 (Additional samples shall be listed on attached long form)
 NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: <u>Edward M Beltzer</u>	Date/Time: <u>6/29/15 1600</u>
Received By: <u>[Signature]</u>	Date/Time: <u>7-15-15 11:30</u>
Contact: <u>[Signature]</u>	Contact: <u>[Signature]</u>
Phone Email Fax	Phone Email Fax
Initials	Initials
Time	Time
Date	Date
Sample Condition: On Ice Sealed Intact	Temp (F°) Yes / No Yes / No

ACCLAIM ENVIRONMENTAL SERVICES INC

14367 Lakeview Lane, Broomfield, Colorado 80023
Tel: 303.424.4647
Fax: 303.432.8669

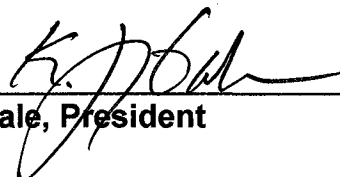
CERTIFIES THAT

EDWARD BALTZER

Has successfully completed

The EPA-Approved AHERA Annual Refresher Course for INSPECTOR. This course is EPA-approved under Section 206 of the Toxic Substances Control Act (TSCA) and meets the requirements of Colorado Regulation No. 8.

Course Date: 04/08/15
Exam Date: N/A
Certificate No.: AE15-024-BI-R-04
Expiration Date: 04/08/16


K. Jay Gale, President



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Edward M. Baltzer

Certification No.: 8738

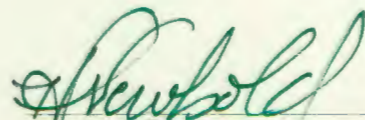
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: April 17, 2015

Expires: April 17, 2016

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative
SEAL