

RED HAW STATE PARK  
DESIGN GUIDE SHELTER  
LUCAS COUNTY, IOWA  
PROJECT NUMBER: 22-05-04-02

August 4, 2023

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

- **Attached is the asbestos testing report. The Contractor is responsible for abating all asbestos materials contained in/on the building prior to demolition.**
- **Project is located in Lucas County**

**Asbestos Reporting**

Former Concession Building, toilets  
Red Haw State Park  
24550 US-34  
Chariton IA 50049

**Prepared for**

Iowa Department of Natural Resources  
Land & Waters Bureau, Engineering Section  
502 E 9<sup>th</sup> Street  
Des Moines IA 50319

**Presented by**

AUGUST ENTERPRISES, LLC  
PO Box 295  
Jefferson IA 50129

Polarized Light Microscopy (PLM) Asbestos Reporting EPA Method 600/R-93/116  
 Samples taken 07/20/23 Received 07/21/23 Analyzed 07/27/23 e-Reported 07/27/2023

Former Concession building, Red Haw State Park, 24550 US-34, Chariton IA 50049; circa 1940s  
 [Rectangular one story structure with toilet facilities on either side, kitchen/office interior  
 rooms, apparent slab on grade, flat roof over main facility, vertical cement type wall panels.]

**Exterior.**

RH-01	tar, black	None detected	a N-S bead along metal flash
RH-02	tar, black	None detected	N-S bead 80ft along both sides
RH-03	tar, black	None detected	at 5 protrusions/vents on roof
RH-04	tar, black	None detected	5 protrusion/vents, about 10sf
RH-05	felt, brown	None detected	insulating felt on flat roof deck
RH-06	felt, brown	None detected	insulation felt, 80 x 34 ft deck
RH-07	<b>top coat tar finish</b>	<b>5% Chrysotile asbestos</b>	<b>80 x 34 ft</b> , covering felt layer
RH-08	<b>top coat tar finish</b>	<b>5% Chrysotile asbestos</b>	<b>80 x 34 ft</b> , over felt/concrete
RH-09	<b>tar edge, black</b>	<b>2% Chrysotile asbestos</b>	<b>34 ft w x 2-6 inch</b> at each end
RH-10	<b>tar edge, black</b>	<b>2% Chrysotile asbestos</b>	<b>extra tar at N+S end edges</b>
RH-11	<b>cement walls, vertical</b>	<b>10% Chrysotile asbestos</b>	<b>151 wall panels, perimeter use</b>
RH-12	<b>extruded cement walls</b>	<b>10% Chrysotile asbestos</b>	<b>151 panels: 4in x 2ft x 8ft each</b>
RH-13	<b>cement walls, vertical</b>	<b>10% Chrysotile asbestos</b>	<b>151 wall panels. See pictures</b>
RH-14	seam, white, N toilet walls	<1% Chrysotile asbestos	vertical + horizontal seams
RH-15	seam, white, along N walls	None detected	vertical + horizontal seams
RH-16	seam, white, middle walls	None detected	vertical + horizontal seams
RH-17	seam, white, vertical walls	None detected	vertical + horizontal seams
RH-18	seam, white, S toilet walls	None detected	vertical + horizontal seams
RH-19	seam, white, vertical walls	None detected	vertical + horizontal seams

Notes: There was a difference between the extruded cement wall panels for the north and south toilet enclosure rooms and the interior to the Concession building with cinder block wall, along with cement columns, steel lintels in providing load bearing support for the facility. This interior area held a kitchen, storage and office use function with doors/serving windows.

AUGUST ENTERPRISES, LLC 104 W Clark St. Jefferson IA 50129 Office: 515-386-3477

Polarized Light Microscopy (PLM) Asbestos Reporting EPA method 600/R-93/116  
Samples taken 07/20/23 Received 07/21/23 Analyzed 07/27/23 e-Reported 07/27/2023

Former Concession building, Red Haw State Park, 24550 US-34, Chariton IA 50049  
Bushes and brush grew around the perimeter of the vertical wall facility except for the concrete apron walkways to enter and exit the facility.

### Interior

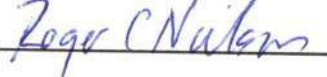
The kitchen held appliances, stainless steel service windows and double basin sink on floor tile.

RH-20a	<b>12inch tile , whit</b>	<b>2% Chrysotile asbestos</b>	<b>kitchen floor, 10 x 18 ft</b>
RH-20b	adhesive, black/yellow	None detected	glue for tile to concrete
RH-21a	<b>12inch tile, white</b>	<b>2% Chrysotile asbestos</b>	<b>kitchen floor finish</b>
RH-21b	adhesive, black/yellow	None detected	glue for tile to concrete
RH-22	countertop, to wood	None detected	sink formica finish, 3 x 5 ft
RH-22	adhesive to countertop	None detected	glue for formica to cabinet
RH-23	countertop, to wood	None detected	sink formica finish, 3 x 5 ft
RH-23	adhesive to countertop	None detected	glue for formica to cabinet
RH-24	sink coating, dark	Insufficient material	basins were heavily rusted

Notes: A thorough asbestos inspection was performed prior to demolition, with chain of custody submittal to an accredited laboratory for analytical reporting.

It appeared, through an electronic online search for asbestos related building material products, that the cement extruded wall units were a vintage product but undetermined who the manufacturer would have been.

Attachments: photographs to depict asbestos inspection event at Red Haw State Park.

Consultant Roger C. Nielson, Asbestos Inspector 22-8827   
Nate N. Nielson, Asbestos Inspector 22-8831  
Analyst Amanda Straw, Maggie Hayden  
Laboratory EMSL Analytical Inc. is a NIST accredited NVLAP laboratory for PLM analysis.

AUGUST ENTERPRISES, LLC 104 w Clark St. Jefferson IA 50129 Office: 515-386-3477



# EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250  
Tel/Fax: (317) 803-2997 / (317) 803-3047  
<http://www.EMSL.com> / [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

**EMSL Order:** 162316473  
**Customer ID:** AUGU77  
**Customer PO:**  
**Project ID:**

**Attention:** Roger Neilson  
August Enterprise, LLC  
PO Box 295  
104 West Clark Street  
Jefferson, IA 50129  
**Project:** Red Haw SP

**Phone:** (515) 370-1984  
**Fax:** (515) 386-3477  
**Received Date:** 07/21/2023 10:30 AM  
**Analysis Date:** 07/27/2023  
**Collected Date:** 07/20/2023

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RH01 <i>162316473-0001</i>	Tar, Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH02 <i>162316473-0002</i>	Tar, Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH03 <i>162316473-0003</i>	Tar, Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH04 <i>162316473-0004</i>	Tar, Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH05 <i>162316473-0005</i>	Felt, Brown	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
RH06 <i>162316473-0006</i>	Felt, Brown	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
RH07 <i>162316473-0007</i>	Top Coat	Gray/Black Fibrous Homogeneous	40% Cellulose	55% Non-fibrous (Other)	5% Chrysotile
RH08 <i>162316473-0008</i>	Top Coat	Gray/Black Fibrous Homogeneous	40% Cellulose	55% Non-fibrous (Other)	5% Chrysotile
RH09 <i>162316473-0009</i>	Tar Edge	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
RH10 <i>162316473-0010</i>	Tar Edge	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
RH11 <i>162316473-0011</i>	Cement Walls	Gray Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
RH12 <i>162316473-0012</i>	Cement Walls	Gray Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
RH13 <i>162316473-0013</i>	Cement Walls	Gray Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
RH14 <i>162316473-0014</i> <i>Result includes a small amount of inseparable attached material</i>	Seam, White	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
RH15 <i>162316473-0015</i>	Seam, White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH16 <i>162316473-0016</i>	Seam, White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 07/27/2023 11:05:14



# EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250  
Tel/Fax: (317) 803-2997 / (317) 803-3047  
<http://www.EMSL.com / indianapolislabs@emsl.com>

EMSL Order: 162316473  
Customer ID: AUGU77  
Customer PO:  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RH17 <small>162316473-0017</small>	Seam, White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH18 <small>162316473-0018</small>	Seam, White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH19 <small>162316473-0019</small>	Seam, White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH20A <small>162316473-0020</small>	12in Tile, White	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
RH20B <small>162316473-0021</small>	Adhes	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH21A <small>162316473-0022</small>	12in Tile, White	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
RH21B <small>162316473-0023</small>	Adhes	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH22-Counter Top <small>162316473-0024</small>	Countertop	Brown/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
RH22-Adhesive <small>162316473-0024A</small>	Countertop	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH23-Counter Top <small>162316473-0025</small>	Countertop	Brown/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
RH23-Adhesive <small>162316473-0025A</small>	Countertop	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
RH24 <small>162316473-0026</small>	Sink Coating, Dark				Insufficient Material

Analyst(s)  
Amanda Straw (14)  
Maggie Hayden (13)

*Melissa Newkirk*  
Asbestos Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

Initial report from: 07/27/2023 11:05:14



## Asbestos Bulk Building Material Chain of Custody

**EMSL Order Number (lab use only):**

162316473

EMSL ANALYTICAL, INC.  
LABORATORY # 162316473

Company Name: <b>AUGUST ENTERPRISES LLC</b>		EMSL Customer ID: <b>AUGU77</b>	
Street: <b>104 West Clark Street</b>		City: <b>Jefferson</b>	State or Province: <b>Louis</b>
Zip/Postal Code: <b>50129</b>	Country: <b>Greenland</b>	Telephone #: <b>515 986 3477</b>	Fax #:
Report To (Name): <b>Roger C Nielson</b>		Please Provide Results via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
email Address: <b>augustentllc@yahoo.com</b>		Purchase Order Number:	
Client Project ID: <b>RCD HAW 50</b>		EMSL Project ID (internal use only):	
State or Province Collected:		<input type="checkbox"/> CT only <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - if bill to is different note instructions in comment. Third party billing requires written authorization from third party			
<b>Turnaround Time (TAT) Options Please Check</b>			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 32 Hour* <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
*32 Hour TAT available for select tests only; samples must be submitted by 11:30am. Please call ahead for large projects and/or turnaround times 6 hours or less.			
<b>PLM - Bulk (reporting limit)</b>		<b>TEM - Bulk</b>	
<input checked="" type="checkbox"/> PLM EPA 600/R-83/118 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-83/118 Section 2.6.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 non-friable - NY	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-83/118 Section 2.6.5.2	
<input type="checkbox"/> NIOSH 8002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1- friable - NY		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB- non-friable - NY		Other tests (please specify)	
<input type="checkbox"/> NY ELAP Method 198.8- Vermiculite Surfacing Material			
<input type="checkbox"/> OSHA ID-191 Modified			
<input type="checkbox"/> EMSL Standard Addition Method			
<input type="checkbox"/> Positive Stop - Clearly Identify Homogenous Areas (HA)		Date Sampled: <b>07 20 2023</b>	
Sampler's Name: <b>ROGER C NIELSON</b>		Sampler's Signature:	
Sample #	HA#	Sample Location	Material Description
RH 01		tar black	head N-S on flash metal
02		tar black	head N-S on flash metal
03		tar black	5 protrusions / vents
04		tar black	5 protrusions / vents
Client Sample # (s): <b>0401</b>		Total # of Samples: <b>21</b>	
Relinquished by (Client): <b>ROGER C NIELSON</b>		Date: <b>7 20 2023</b>	Time:
Received by (Lab): <b>[Signature]</b>		Date: <b>7/21/23</b>	Time: <b>10:30am</b>
Comments/Special Instructions:			



# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (lab use only):

16473

EMSL ANALYTICAL, INC.  
LABORATORY CERTIFICATE NO. 10000

Additional pages of the Chain of Custody are only necessary if needed for additional sample information

RED HOUSE

AVEUST ENT LLC

Sample #	HA #	Sample Location	Material Description
05		left brown	roof panel 80x34
06		felt brown	roof panel 80x34 on concrete slab
07		top coat	roof 80' long
08		top coat	roof 34 wide
09		far edge	S edge < 34'
10		far edge	N edge < 34'
11		cement walls hollow web	2' x 9' x 4 1/2" vertical panels
12		cement walls	about 151 panels
13		cement walls	↓
14		seam white	at N vertical panels
15		seam white	↓
16		seam white	at middle vertical panels
17		seam white	↓
18		seam white	at S vertical panels
19		seam white	↓
<p><b>Comments/Special Instructions:</b></p>			

Controlled Document - CCO-01 Asbestos Bulk - 04-2013-0001  
EMSL Analytical, Inc. (DEA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions.





Red Haw SP, Landscape layout, brush perimeter

From: Roger Nielson (augustentlc@yahoo.com)

To: augustentlc@yahoo.com

Date: Thursday, July 27, 2023 at 05:36 PM CDT

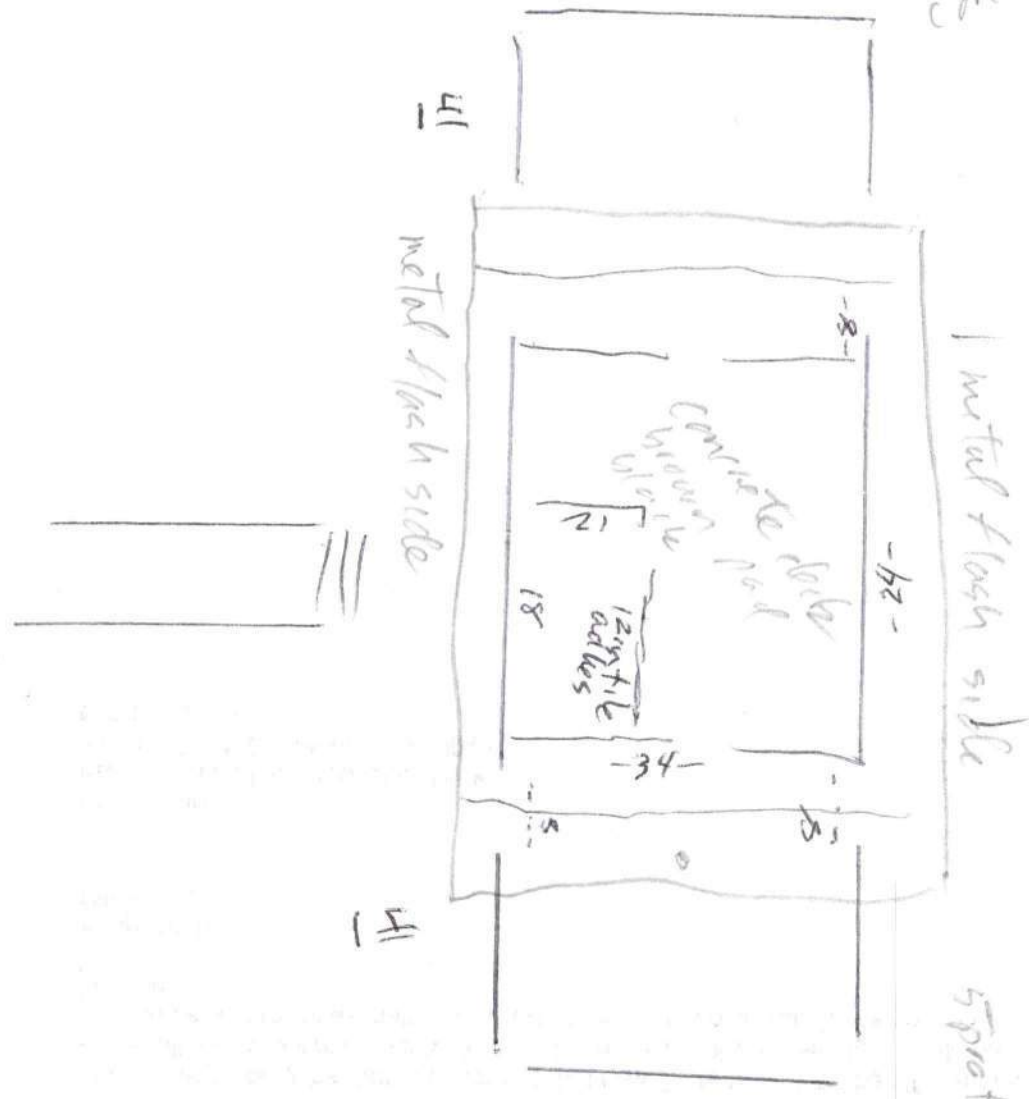


[Sent from Yahoo Mail on Android](#)



fire hydrant

water pump stand pipe



concrete apron E/W



curb

5 protrusions von

Concession Building  
lake side

Red Haw SP. Concession Bld. Built up roof/tar.

From: Roger Nielson (augustentlc@yahoo.com)

To: augustentlc@yahoo.com

Date: Thursday, July 27, 2023 at 05:30 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP. Concession roofing.

From: Roger Nielson (augustentlc@yahoo.com)

To: augustentlc@yahoo.com

Date: Sunday, July 30, 2023 at 02:30 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP. Concession roofing.

From: Roger Nielson (augustentlc@yahoo.com)

To: augustentlc@yahoo.com

Date: Sunday, July 30, 2023 at 02:29 PM CDT



[Sent from Yahoo Mail on Android](#)

## Read Haw SP, Concession roofing

From: Roger Nielson (augustentllc@yahoo.com)

To: augustentllc@yahoo.com

Date: Sunday, July 30, 2023 at 02:28 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP, Horizontal seams to wall panels.

From: Roger Nielson (augustentlk@yahoo.com)

To: augustentlk@yahoo.com

Date: Thursday, July 27, 2023 at 05:32 PM CDT



[Sent from Yahoo Mail on Android](#)



Red Haw SP. Vertical seams to wall panels.

From: Roger Nielson (augustentlc@yahoo.com)

To: augustentlc@yahoo.com

Date: Thursday, July 27, 2023 at 05:31 PM CDT



Red Haw SP. South locker room, wall debris.

From: Roger Nielson (augustentllc@yahoo.com)

To: augustentllc@yahoo.com

Date: Thursday, July 27, 2023 at 05:29 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP, interior kitchen, 12inch tiles.

From: Roger Nielson (augustentf@yahoo.com)

To: augustentf@yahoo.com

Date: Thursday, July 27, 2023 at 05:28 PM CDT



[Sent from: Yahoo Mail on Android](#)

Red Haw SP. kitchen 12inch tile, debris.

From: Roger Nielson (augustentk@yahoo.com)  
To: augustentk@yahoo.com  
Date: Thursday, July 27, 2023 at 05:27 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP. 151 wall panels.

From: Roger Nielson (augustentk@yahoo.com)

To: augustentk@yahoo.com

Date: Thursday, July 27, 2023 at 05:26 PM CDT



[Sent from Yahoo Mail on Android](#)

Red Haw SP, Chariton, 151 wall panels

From: Roger Nielson (augustentk@yahoo.com)

To: augustentk@yahoo.com

Date: Thursday, July 27, 2023 at 05:25 PM CDT



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