



August 12, 2021

GOVERNOR KIM REYNOLDS LT. GOVERNOR ADAM GREGG

DIRECTOR KAYLA LYON

TO:

DAIN NETLAND CLOW VALVE 902 S. 2<sup>ND</sup> STREET OSKALOOSA, IA 52577 DEB DANLEY

MAHASKA CO. SOLID WASTE MANGT.

2979 HIGHWAY 63 OSKALOOSA, IA 52577

Re:

New Special Waste Authorization # 62-SWA-08-21

The following special waste authorization (SWA) applies ONLY to the waste generator addressed above. This authorization allows the waste generator to dispose of the special waste referenced in accordance with the instructions, conditions and limitations contained in this SWA. A copy of this SWA must accompany the hauler to the landfill. The waste generator shall notify the department and landfill, prior to disposal, of any change in the characteristics of the special waste being disposed.

The issuance of an SWA does not obligate any waste disposal facility to accept the waste nor does it preclude the facility from imposing restrictions other than those listed in the SWA. The landfill has the final decision whether to accept the special waste. The issuance of an SWA does not exempt the waste generator from any local, state or federal laws or regulations. The department may revoke an SWA for cause at any time.

**WASTE & VOLUME:** 

Quarterly disposal of approximately 2,000 lbs. of spent powder paint over-spray,

with approximately 7,500 pounds for immediate disposal.

**GENERATOR:** 

Clow Valve

Dane Netland, (641) 569-6093

**ISSUE DATE:** 

August 12, 2021

**EXPIRATION DATE:** 

August 12, 2024

**DISPOSAL SITE:** 

Mahaska County Solid Waste Management Commission, # 62-SPD-01-74

**SWA CONTACT:** 

Deb Danley, (641) 673-9266

Authorized by:

Susan Johnson

Digitally signed by Susan Johnson Date: 2021.08.12 08:59:29 -05'00'

**Iowa Department of Natural Resources** 

If you have questions regarding this authorization, please contact Sue Johnson at 515-217-0872.

cc: Iowa DNR Field Office #5, Des Moines, IA

Fax: 515-725-8202







### ANALYTICAL REPORT

December 22, 2021

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Work Order:

1EL1117

Report To

Dain Netland

Clow Valve Company

902 S 2nd St

Oskaloosa, IA 52577

Project: Waste Sampling

Project Number:

Metal Casting Facility

#### **Work Order Information**

Date Received: 12/10/2021 9:20AM

Collector: Horn, Roger

Phone: (641) 673-8611

PO Number: hrxh303

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1EL1117-01	Spent Iron Sand-Metal Casting Fa	acility (Iron		Matrix:Solid	Co	llected: 12/09	/21 12:01
Silver (TCLP)	<0.010 mg/L	0.010	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Arsenic (TCLP)	<0.030 mg/L	0.030	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Barium (TCLP)	0.332 mg/L	0.010	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Cadmium (TCLP)	<0.005 mg/L	0.005	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Chromium (TCLP)	<0.010 mg/L	0.010	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Mercury (TCLP)	<0.00050 mg/L	0.00050	1EL0774	EPA 7470A	JAR	12/17/21 7:19	
Lead (TCLP)	0.060 mg/L	0.020	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
Selenium (TCLP)	<0.050 mg/L	0.050	1EL0746	EPA 6010B	JAR	12/20/21 11:37	
TCLP pH, Initial	4.9 pH		1EL0616	EPA 1311	BMS	12/14/21 15:29	
TCLP pH, Final	5.0 pH		1EL0616	EPA 1311	BMS	12/14/21 15:29	







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# Determination of TCLP Metals - Quality Control Keystone Laboratories, Inc. - Newton

Analyte	Danile	Reporting		Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1EL0746 - EPA 3010A TCLP	ICP									
Blank (1EL0746-BLK1)				Prepared: 1	2/14/21 A	nalyzed: 12	/20/21			
Arsenic (TCLP)	ND	0.030	mg/L				. 20, 21			
Barium (TCLP)	0.0123	0.010	"							QB-0
Cadmium (TCLP)	ND	0.005	11							QD-C
Chromium (TCLP)	ND	0.010	11							
Lead (TCLP)	ND	0.020	•							
Selenium (TCLP)	ND	0.050	,,							
Silver (TCLP)	ND	0.010	W							
Blank (1EL0746-BLK2)				Prepared: 1	2/14/21 A	nalyzed: 12	/20/21			
Arsenic (TCLP)	ND	0.030	mg/L	Trepared, 1	2/1 //21 11	naryzed. 12	20/21			
Barium (TCLP)	ND	0.010	"							
Cadmium (TCLP)	ND	0.005	**							On 1
Chromium (TCLP)	ND	0.010	п							QB-1
Lead (TCLP)	ND	0.020	-10							
Selenium (TCLP)	ND	0.050								
Silver (TCLP)	ND	0.010								
Blank (1EL0746-BLK3)				Prepared: 1	2/14/21 A	nalyzed: 12.	/20/21			
Arsenic (TCLP)	ND	0.030	mg/L	11000001	20102121	naryzed. 12/	20/21			-
Barium (TCLP)	0.0944	0.010	"							00.0
Cadmium (TCLP)	ND	0.005								QB-0
Chromium (TCLP)	ND	0.010								QB-0 QB-1
Lead (TCLP)	0.118	0.020								QB-0
Selenium (TCLP)	ND	0.050	•							0-d <i>y</i>
Silver (TCLP)	ND	0.010	10							
LCS (1EL0746-BS1)				Prepared: 1	2/14/21 Δ1	nalwzed: 12	20/21			
Arsenic (TCLP)	0.193	0.030	mg/L	0.200000	2/17/21 11	96.3	80-120			
Barium (TCLP)	0.200	0.010	"	0.200000		99.9	80-120			
Cadmium (TCLP)	0.196	0.005	2002	0.200000		98.2	80-120			
Chromium (TCLP)	0.198	0.010	an c	0.200000		99.2	80-120			
Lead (TCLP)	0.192	0.020	211	0.200000		96.1	80-120			
Selenium (TCLP)	0.200	0.050	8417	0.200000		100	80-120			
Silver (TCLP)	0.186	0.010	n.	0.200000		93.2	80-120 80-120			







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# Determination of TCLP Metals - Quality Control Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Note
Batch 1EL0746 - EPA 3010A TCLP ICP										
Matrix Spike (1EL0746-MS1)	Se	ource: 1EL0584	-01	Prepared:	12/14/21 Ar	nalvzed: 12	/20/21			
Arsenic (TCLP)	0.203	0.030	mg/L	0.200000	ND	102	70-130		ž 1	
Barium (TCLP)	0.211	0.010	"	0.200000	0.00337	104	70-130			
Cadmium (TCLP)	0.200	0.005	n	0.200000	0.004	98.0	70-130			
Chromium (TCLP)	0.210	0.010		0.200000	ND	105	70-130			
Lead (TCLP)	0.192	0.020		0.200000	ND	96.1	70-130			
Selenium (TCLP)	0.200	0.050		0.200000	ND	99.8	70-130			
Silver (TCLP)	0.189	0.010	n	0.200000	ND	94.4	70-130			
Matrix Spike Dup (1EL0746-MSD1)	Se	ource: 1EL0584	-01	Prepared: 12/14/21 Analyzed: 12/20/21						
Arsenic (TCLP)	0.185	0.030	mg/L	0.200000	ND	92.3	70-130	9.59	20	
Barium (TCLP)	0.206	0.010	n	0.200000	0.00337	102	70-130	2.32	20	
Cadmium (TCLP)	0.205	0.005		0.200000	0.004	101	70-130	2.52	20	
Chromium (TCLP)	0.194	0.010	10	0.200000	ND	97.1	70-130	7.92	20	
Lead (TCLP)	0.190	0.020	п	0.200000	ND	95.2	70-130	1.01	20	
Selenium (TCLP)	0.193	0.050	[36]	0.200000	ND	96.3	70-130	3.57	20	
Silver (TCLP)	0.191	0.010		0.200000	ND	95.4	70-130	1.04	20	
Post Spike (1EL0746-PS1)	So	ource: 1EL0584-	-01	Prepared: 12/14/21 Analyzed: 12/20/21						
Arsenic (TCLP)	0.847		mg/L	0.800000	-0.000896	106	75-125			_
Barium (TCLP)	0.858			0.800000	0.00337	107	75-125			
Cadmium (TCLP)	0.881		M.	0.800000	0.004	110	75-125			
Chromium (TCLP)	0.852			0.800000	0.00192	106	75-125			
Lead (TCLP)	0.843		11	0.800000	0.008	104	75-125			
Selenium (TCLP)	0.878		**	0.800000	0.00605	109	75-125			
Silver (TCLP)	0.807		•	0.800000	-0.000708	101	75-125			
Batch 1EL0774 - EPA 7470A Hg Water										
Blank (1EL0774-BLK1)				Prepared: 1	2/15/21 An	alvzed: 12/	17/21		-	
Mercury (TCLP)	ND	0.00050	mg/L	repared. I	LIJIZI MI	aryzeu. 12/	17/21			







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## Determination of TCLP Metals - Quality Control Keystone Laboratories, Inc. - Newton

	RPD		%REC	1/200	Source	Spike	Units	Reporting Limit	Result	Analyte
Notes	Limit	RPD	Limits	%REC	Result	Level	Units	Limit	Result	
			22 0000							Batch 1EL0774 - EPA 7470A Hg Water
			/17/21	nalvzed: 12	2/15/21 Ar	Prepared: 1				Blank (1EL0774-BLK2)
						•	mg/L	0.00050	ND	Mercury (TCLP)
			/17/21	nalvzed: 12	2/15/21 Ar	Prepared: 1				Blank (1EL0774-BLK3)
		-					mg/L	0.00050	ND	Mercury (TCLP)
			/17/21	nalvzed: 12	2/15/21 Ar	Prepared: 1				LCS (1EL0774-BS1)
QS-03			79-116	78.5		0.00250000	mg/L	0.00050	0.00196	Mercury (TCLP)
			/17/21	nalvzed: 12	2/15/21 An	Prepared: 1	01	urce: 1EL0584-	Sor	Matrix Spike (1EL0774-MS1)
			56-137	91.4	ND	0.00250000	mg/L	0.00050	0.00228	Mercury (TCLP)
			/17/21	nalvzed: 12	2/15/21 An	Prepared: 1	01	arce: 1EL0584-	Sou	Matrix Spike Dup (1EL0774-MSD1)
	13	1.27	56-137	90.2	ND	0.00250000	mg/L	0.00050	0.00226	Mercury (TCLP)
	13	1.27	56-137 /17/21	91.4 nalyzed: 12.	ND 2/15/21 An	0.00250000 Prepared: 1	mg/L <b>01</b>	0.00050 urce: 1EL0584-	0.00228 <b>So</b> t	







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### TCLP Extraction - Quality Control Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1EL0616 - EPA 1311										
Blank (1EL0616-BLK1)				Prepared: 1	2/13/21 At	nalyzed: 12	/14/21			
TCLP pH, Initial	4.9		рĤ			iary zou. 12	1021	-		
TCLP pH, Final	4.9		,							

ND = Non Detect; REC= Recovery; RPD= Relative Percent Difference

#### Certified Analyses included in this Report

Method/Ma	atrix Analyte		Certifications
EPA 6010B	in Water		
	Arsenic (TCLP)		KS-NT,SIA1X
	Barium (TCLP)		KS-NT,SIA1X
	Cadmium (TCLP)		KS-NT,SIA1X
	Chromium (TCLP)		KS-NT,SIA1X
	Lead (TCLP)		KS-NT,SIA1X
	Selenium (TCLP)		KS-NT,SIA1X
	Silver (TCLP)		KS-NT,SIA1X
EPA 7470A	in Water		
	Mercury (TCLP)		IA-NT,KS-NT
Code	Description	Number	Expires
KS-KC	Kansas Department of Health and Environment-KC	E-10110	04/30/2022
KS-NT	Kansas Department of Health and Environment (NELAP	) E-10287	10/31/2022
MO-KC	Missouri Department of Natural Resources	140	04/30/2022
SIA1X	Iowa Dept. of Natural Resources (updated certificate per	ndin@5	02/01/2024
	Notes and De	efinitions	
QB-03	The method blank contains analyte at a concentration above the MRI which is negligble according to method criteria.	; however concent	ration is less than 10% of the action level,
QB-12	The analyte was found in the blank at a concentration greater than on analyte in the blank was less than the reporting limit so the data was	e-half the reporting	g limit. However, the concentration of the
		(5)	







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End of Report

Keystone Laboratories, Inc.

Sue Thompson Client Services Manager







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205 E VanBuren St Centerville, IA 52544 Phone: 641-437-7023 Fax: 641-437-7040	Pair Hollind Church Section of S. Chee gos Sectoral S. Cholica It 52577 64 519 - LOGS	LABORATORY WORK ORDER ND    E L             E L             VON RECEIPT.         O             SAMPLE TRIPERATURE UPON RECEIPT.         O             SAMPLE TRIPERATURE AMBLE FONDITION COMMENTS.	10	Rush Centact Day Nelland (64) Monard Contact Lab Prior to Submission  - Mahas ka Cty, Land fill  303 (Sem) - Annead
Paul City, KS 66105 113-221-7856 313-831-6778	BILL TO: NAME: COMPANY NAME: ADDRESS: CITY/ST/ZIP: PHONE: Keystone Quote No:			Ind Mrxhi3
O O	mysered Street TR 52577	ANALYSES REQUIRED		Turn-Around Standard Remarks:
CUSTODY RI 3012 Ansborough Ave. Waterloo, IA 50701 Phone: 319-235-4440 Fax: 319-235-2480	Marcha Sand	MARKOMPOSITE  SECRA TOLP	0	Time
OF CUS Waterloo, Phone: 31 Fax: 37	REPORT TO: DAIN FIET LENG COMPANY NAME: Office of the COMPANY NAME: Office of the CONTYSTAIR. OF THE CONTYSTAIR OF THE CONTY	NO. OF CONTRINERS		gneture)
GHAIN 6 600 E. 17th St. S. Newton, IA 50208 Phone: 641-792-8451 Fax: 641-792-7989	REPORT TO: NAME: COMPANY NADDRESS: CITY/ST/ZIP PHONE:	SAMPLE LOCATION	Metal Caching Facility (Franch	Received by: (Signature)
600 E. 1 Newton Phone: Fax:	Neger Hern (Epvir Tech.) Reger Hern (Epvir Tech.) (Apvilasting Facility - Charletvelle 11114 fluerau East Cokalecsa, IA	SA		12/2/ Rec
O O	Tachity Erachity IA	TIME	116211	Date Date
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Yeystone ABORATORIES, INC.	NOR TYPE INGRAMATION BELOW (EPLYLE)  BNAME: METAL ("ASTING FACILITY" - C  THESS: [Let I ! I'll fluerine tast  VISTIZIP: CELALCESA , IT S  THE ("H) SI	CLIENT SAMPLE NUMBER	rent Tron Sand 12/9/2. 120184	unished by: (Signature) Grafier Herry quished by: (Signature)