

Kiyota 4I-35H-O367

SWSE Sec. 35-T3N-R67W

API #: 123-40102

Facility ID: 478416

Remediation Project #: 35534

Wellhead and Flowline Decommissioning Package

August & December 2024

Prepared by Tasman, Inc.



On behalf of Crestone Peak Resources Operating, LLC



FIELD NOTES AND PHOTO LOG



Civitas Decommissioning Form

SITE NAME: Kiyota 4I-35H-O367								DATE: 8/26/2024	REM. PROJECT #: 35534	WEATHER: 85°F Sunny
SITE DIRECTIONS: CR 2.5 & CR 26, N 0.334 miles, E on access road, south on access road .438 miles, South. INTO								CLIENT: Crestone Peak Resources Operating, LLC		
LEGALS AND LAT/LONG: 40.175555, -104.853610								TASMAN PERSONNEL: Dan Tyson, Max Sherwin		
SOIL TYPES: SP - Poorly-Graded Sand , SC - ClayeySand								SURFACE GRADIENT: East		
SURROUNDING LAND USE: Rangeland								CROP: N/A		
SOIL SAMPLING								FACILITY INFRASTRUCTURE		
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo? (Y/N)	USCS	Lab (Y/N)	EQUIPMENT	Quantity	
								Above Ground Storage Tank (AST)		
8/26/2024 13:28	FL-B01@3'	3.0	No Staining	No Odor	Y	SP	Y	Produced Water Vessel (PWV)		
8/26/2024 13:30	FL-B02@8'	2.3	No Staining	No Odor	Y	SC	Y	Separator (SEP)		
12/27/2024 12:30	WH-B01@6'	9.5	No Staining	No Odor	Y	SC	Y	Emission Control Device (ECD)		
12/27/2024 13:00	WH-N01@5'	1.6	No Staining	No Odor	Y	SC	N	Dump Line (DL)		
12/27/2024 13:02	WH-S01@5'	1.8	No Staining	No Odor	Y	SC	N	Wellhead (WH)	1	
12/27/2024 13:04	WH-E01@5'	1.2	No Staining	No Odor	Y	SC	N	Flowline (FL)	1	
12/27/2024 13:06	WH-W01@5'	1.7	No Staining	No Odor	Y	SC	N	FL Method of Closure	Abandoned in Place	
12/27/2024 12:32	FL-B01@2'	0.9	Organic Content	No Odor	Y	SC	Y	FL Footage Removed		
								Footaged Abandoned in Place	615	
								Other:		
								Soil Loads Removed		
								IMPACTED SOIL IDENTIFIED? Yes		
								ESTIMATED VOLUME OF IMPACTS: Excavation Activities Ongoing		
								Date	Number	CY
								Total Removed	0	0
								Disposal Facility:		
								Groundwater Recovery		
								DATE GW ENCOUNTERED: N/A	DEPTH:	
								GROUNDWATER IN CONTACT WITH IMPACTED SOIL?		
								LNAPL OR SHEEN OBSERVED ON GW?		
GROUNDWATER SAMPLING								Date	BBLs	
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
								Total Removed	0	
								Disposal Facility:		

					
<p>☉ 124°SE (T) ● 40°10'32"N, 104°51'12"W ±16ft ▲ 4842ft</p>			<p>☉ 288°W (T) ● 40°10'36"N, 104°51'11"W ±16ft ▲ 4834ft</p>		
 <p style="text-align: right; font-size: small;">26 Aug 2024, 13:21:08</p>			 <p style="text-align: right; font-size: small;">26 Aug 2024, 13:37:45</p>		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil sampling location			Notes/Conditions: Soil sample location		



Photographic Log

W 270 NW 300 330			E 90 N 0 NE 30 60 SE 120 150 S 180				
● 360°N (T) ● 40°10'32"N, 104°51'13"W ±13ft ▲ 4845ft			● 90°E (T) ● 40°10'31"N, 104°51'12"W ±16ft ▲ 4822ft				
							
27 Dec 2024, 12:40:22			27 Dec 2024, 12:40:40				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:		Volume:		Material:		Volume:	
Contents:			Contents:				
Notes/Conditions: Surrounding land use, facing N			Notes/Conditions: Surrounding land use, facing E				



Photographic Log

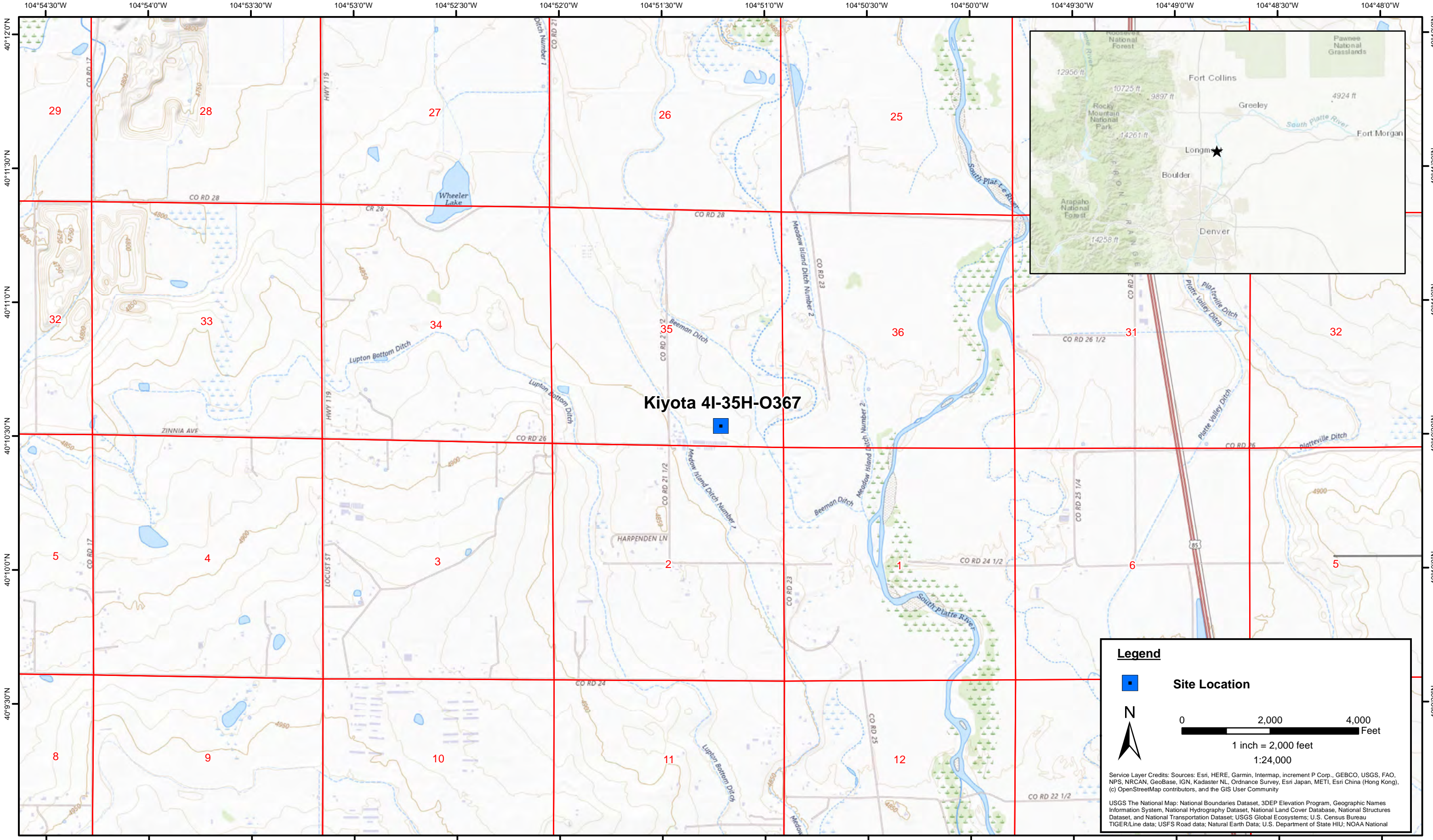
<p>E 90 SE 120 150 180 210 240 270 W S SW 210 240 270 W 300 330 NW N 0</p> <p>☉ 180°S (T) ● 40°10'31"N, 104°51'12"W ±16ft ▲ 4818ft</p>			<p>☉ 270°W (T) ● 40°10'32"N, 104°51'14"W ±13ft ▲ 4817ft</p>				
<p>27 Dec 2024, 12:41:09</p>			<p>27 Dec 2024, 12:39:58</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:		Volume:		Material:		Volume:	
Contents:				Contents:			
Notes/Conditions: Surrounding land use, facing S				Notes/Conditions: Surrounding land use, facing W			



Photographic Log

<p>☉ 314°NW (T) ● 40°10'31"N, 104°51'12"W ±16ft ▲ 4822ft</p>					
<p style="text-align: right;">27 Dec 2024 13:05:42</p>					
<p>☉ 92°E (T) ● 40°10'31"N, 104°51'12"W ±16ft ▲ 4828ft</p>					
<p style="text-align: right;">27 Dec 2024 13:06:28</p>					
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil sampling locations, facing NW			Notes/Conditions: Soil sampling locations, facing E		

FIGURES



DATE:	February 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Reed



Crestone Peak Resources Operating, LLC
Kiyota 4I-35H-O367
 SWSE Sec. 35-T3N-R67W
 Weld County, Colorado

Site Location Map

Figure
1



Legend

- Soil sample location – Field Screened (Collected via Trimble GPS)
- Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Excavation extent (Collected via Trimble GPS)
- Flowline Location

ECMC Table 915-1 Soil Standards	
Compound	Date
Naphthalene (mg/kg)	0.0038 / 2
TVPH-GRO (mg/kg)	500
TEPH-DRO (mg/kg)	
TEPH-ORO (mg/kg)	
1,2,4-TMB (mg/kg)	0.0081 / 30
1-M (mg/kg)	0.006 / 18
2-M (mg/kg)	0.019 / 24
Barium (mg/kg)	82 / 15,000
Lead (mg/kg)	14 / 400
pH	6 - 8.3

Notes

All locations are approximate unless otherwise noted.

GPS = Global Positioning System

ECMC = Colorado Energy & Carbon Management Commission

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentrations or Soil Suitability for Reclamation Parameters

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Residential Soil Screening Level Concentrations

TMB = Trimethylbenzene

M = Methylnaphthalene

mg/kg = milligrams per kilogram

0 ft. 10 ft. 20 ft.

Image Source: Google Earth

WH-B01@6'	
Compound	02/09/2024
Naphthalene (mg/kg)	0.026
TVPH-GRO (mg/kg)	0.50
TEPH-DRO (mg/kg)	3,600
TEPH-ORO (mg/kg)	<50.0
1,2,4-TMB (mg/kg)	0.020
1-M (mg/kg)	0.777
2-M (mg/kg)	1.36
Barium (mg/kg)	1,130
pH	10.7

FL-B01@2'	
Compound	12/27/2024
Lead (mg/kg)	23.4

DATE: April 1, 2025

DESIGNED BY: S. Vogt

DRAWN BY: L. Molson



Tasman, Inc.
6855 W119th Ave.
Broomfield, CO 80020

Crestone Peak Resources Operating, LLC
Kiyota 4I-35H-O367
 SWSE Sec. 35-T3N-R67W
 Weld County, Colorado

Wellhead Soil Sample
 Location Map
 (08/26/2024 & 12/27/2024)

Figure
 3

FL-B02@8'	
Compound	08/26/2024
Arsenic (mg/kg)	6.5

FL-B01@3'

Legend

- ⊕ Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- ⊕ Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- - - Flowline Location

ECMC Table 915-1 Soil Standards	
Compound	Date
Arsenic (mg/kg)	0.29 / 0.68

Notes

All locations are approximate unless otherwise noted.

GPS = Global Positioning System

ECMC = Colorado Energy & Carbon Management Commission

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Residential Soil Screening Level Concentrations

mg/kg = milligrams per kilogram

0 ft. 100 ft. 200 ft.

Image Source: Google Earth

DATE:	April 1, 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson



Tasman, Inc.
 6855 W119th Ave.
 Broomfield, CO 80020

Crestone Peak Resources Operating, LLC
 Kiyota 4I-35H-O367
 SWSE Sec. 35-T3N-R67W
 Weld County, Colorado

Flowline Soil Sample
 Location Map
 (08/26/2024)

Figure
 2



Legend

- Background soil sample location (Collected via Trimble GPS)
- Excavation extent (Collected via Trimble GPS)
- Flowline Location

Notes

All locations are approximate unless otherwise noted.

GPS = Global Positioning System

*Sample collected as part of Kiyota 35H site assessment (REM #: 19124)

0 ft. 100 ft. 200 ft.

Image Source: Google Earth

DATE:	April 1, 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson



Tasman, Inc.
 6855 W119th Ave.
 Broomfield, CO 80020

Crestone Peak Resources Operating, LLC
Kiyota 4I-35H-O367
 SWSE Sec. 35-T3N-R67W
 Weld County, Colorado

Background Soil Sample
 Location Map
 (05/13/2021)

Figure
 4

TABLES

TABLE 1
KIYOTA 4I-35H-O367
SOIL SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
FL-B01@3'	3'	08/26/2024	3.0	40.175580	-104.853613	0.9	Y
FL-B02@8'	8'	08/26/2024	2.3	40.176670	-104.853170	0.9	Y
WH-B01@6'	6'	12/27/2024	9.5	40.175561	-104.853606	0.8	Y
WH-N01@5'	5'	12/27/2024	1.6	40.175566	-104.853612	0.7	N
WH-S01@5'	5'	12/27/2024	1.8	40.175544	-104.853611	0.8	N
WH-E01@5'	5'	12/27/2024	1.2	40.175556	-104.853594	0.8	N
WH-W01@5'	5'	12/27/2024	1.7	40.175555	-104.853629	0.7	N
FL-B01@2'	2'	12/27/2024	0.9	40.175569	-104.853602	0.9	Y
BACKGROUND							
BKG01@6*	6'	05/13/2021	-	40.177056	-104.852451	-	Y
BKG02@6*	6'	05/13/2021	-	40.176968	-104.852464	-	Y
BKG03@6*	6'	05/13/2021	-	40.176859	-104.852459	-	Y
BKG04@6*	6'	05/13/2021	-	40.176750	-104.852468	-	Y
BKG05@6*	6'	05/13/2021	-	40.176642	-104.852476	-	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

*Sample collected as part of the Kiyota 35H site assessment (REM #: 19124)

10/29/2024 [date] = Data collected by 3rd-party consultant(s)

TABLE 2
KIYOTA 4I-35H-O367
SOIL ANALYTICAL DATA - VOCs
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
FL-B01@3'	3'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50.0	<50.0	<0.00500	<0.00500
FL-B02@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50.0	<50.0	<0.00500	<0.00500
WH-B01@6'	6'	12/27/2024	0.000	<0.0050	<0.0050	0.016	0.026	0.50	3,600	<50.0	0.020	0.0062
FL-B01@2'	2'	12/27/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50.0	<0.0050	<0.0050

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 standard



TABLE 3
KIYOTA 4I-35H-O367
SOIL ANALYTICAL DATA - PAHs
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
FL-B01@3'	3'	08/26/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B02@8'	8'	08/26/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
WH-B01@6'	6'	12/27/2024	<0.00500	<0.00500	<0.00500	0.00944	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.777	1.36	<0.00500
FL-B01@2'	2'	12/27/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenz(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations



TABLE 4
KIYOTA 4I-35H-O367
SOIL ANALYTICAL DATA - METALS
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
FL-B01@3'	3'	08/26/2024	2.9*	169*	0.14	<0.300	9.9	7.6	7.8	0.23	<0.20	36.5
FL-B02@8'	8'	08/26/2024	6.5	58.0	0.14	<0.300	20.7	14.1*	13.1	0.31*	<0.19	61.6
WH-B01@6'	6'	12/27/2024	2.19*	1,130	0.314	<0.30	9.16	8.93	6.63	<0.260	0.0510	32.1
FL-B01@2'	2'	12/27/2024	2.07*	161*	0.660*	<0.30	9.50	23.4	9.65	0.737*	0.0812	29.2
BACKGROUND												
BKG01@6**	6'	05/13/2021	0.378	36.9	<0.213	<0.30	2.86	3.24	2.27	<0.277	<0.0213	14.0
BKG02@6**	6'	05/13/2021	1.38	158	<0.250	<0.30	19.9	12.7	16.6	1.90	0.0726	84.4
BKG03@6**	6'	05/13/2021	2.70	200	0.317	<0.30	23.6	14.3	15.4	2.06	0.0811	85.9
BKG04@6**	6'	05/13/2021	0.719	165	<0.247	<0.30	17.7	13.1	13.6	1.87	0.102	83.6
BKG05@6**	6'	05/13/2021	3.97	81.7	0.825	<0.30	26.4	33.9***	6.70	0.741	0.343	86.9
Highest Background @ 0 - 6' x1.25 (SP/SC)			4.96	250	1.03	-	33.0	17.9	20.8	2.58	0.429	109

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory minimum detection limit

mg/kg = milligrams per kilogram

SP = Poorly Graded Sand

SC = Clayey Sand

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations

Highest background concentration x1.25

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 Standard

* Result exceeded the ECMC Table 915-1 standard, but was within site-specific 1.25x background multiplier levels

**Sample collected as part of the Kiyota 35H site assessment (REM #: 19124)

***Result is considered anomalously high and not considered for site-specific background concentration

TABLE 5
KIYOTA 4I-35H-O367
SOIL ANALYTICAL DATA - SOIL RECLAMATION
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
FL-B01@3'	3'	08/26/2024	7.90	1.44	2.24	<2.00
FL-B02@8'	8'	08/26/2024	8.17	2.45	0.825	<2.00
WH-B01@6'	6'	12/27/2024	10.7	3.12	2.44	<2.00
FL-B01@2'	2'	12/27/2024	7.70	4.10	1.72	<2.00

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Soil Suitability for Reclamation Concentrations