SNOWCAP COAL COMPANY, INC.

P.O. BOX 443
GRAND JUNCTION, COLORADO 81502
PHONE: (970) 260-6740

March 10, 2025

Mr. Clayton Wein
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

RE: Snowcap Coal Company, Inc.
2024 Annual Hydrology Report
Permit No. C-1981-041

Dear Mr. Wein:

On behalf of Snowcap Coal Company, Inc., attached is a copy of the 2024 Annual Hydrology Report (AHR) as required by Permit No. C-1981-041. If you have any questions, please contact me at (970) 260-6740.

Sincerely,

Tonya K. Hammond

Tonya K. Hammond
Owner's Representative
Snowcap Coal Company, Inc.

Attachments

cc: SCC File

SNOWCAP COAL COMPANY, INC.
ANNUAL HYDROLOGY REPORT INDEX

Surface Water

SA-# - Rapid Creek, quality monitored near SWGS-04 (Discontinued 1986)
SB-# - Upper Colorado River, quality (Discontinued 1993)
SC-# - Lower Colorado River, quality (Discontinued 1993)
SD-# - Outfall 001, weekly and monthly field and lab data (Discontinued 2002)
SE-# - Outfall 002, weekly and monthly field and lab data (Discontinued 2002)
SF-# - Outfall 004, weekly and monthly field and lab data (Discontinued 2001)
SG-# - SWSG-01, Lower Rapid Creek, daily flows and hydrograph (Discontinued 2016)
SH-# - SWGS-02, Cottonwood Creek, daily flows and hydrographs (Discontinued 2016)
SI-# - SWGS-03, Upper Rapid Creek, daily flows and hydrographs (Discontinued 2016)
SJ-# - SWGS-04, Lower Rapid Creek, daily flows and hydrographs (Discontinued 1986)
SK-# - SWGS-05, Upper Cottonwood Creek, daily flows and hydrographs (Discontinued 1998)
SL-# - Outfalls 001, 002 & 016, WET test (Discontinued 2005)
SM-# - Outfall 004, WET test (Discontinued 1999)
SN-# - Outfall 001, quality (Discontinued 2001)
SO-# - Outfall 002, quality (Discontinued 2001)
SP-# - Outfall 004, quality (Discontinued 1999)
SQ-# - Colorado River, USGS station 09095500 data
SR-# - Coal Canyon Drainage, SWGS-06 & -07, flows (Discontinued 2016)
SS-# - Jerry Creek, SWGS-08 & -09, flows (Discontinued 2011)
ST-# - Spring and Seep Surveys (Discontinued 2005)
SU-# - Outfall 016, quality
SV-# - Outfall 016, Weekly and monthly field and laboratory data

Ground Water

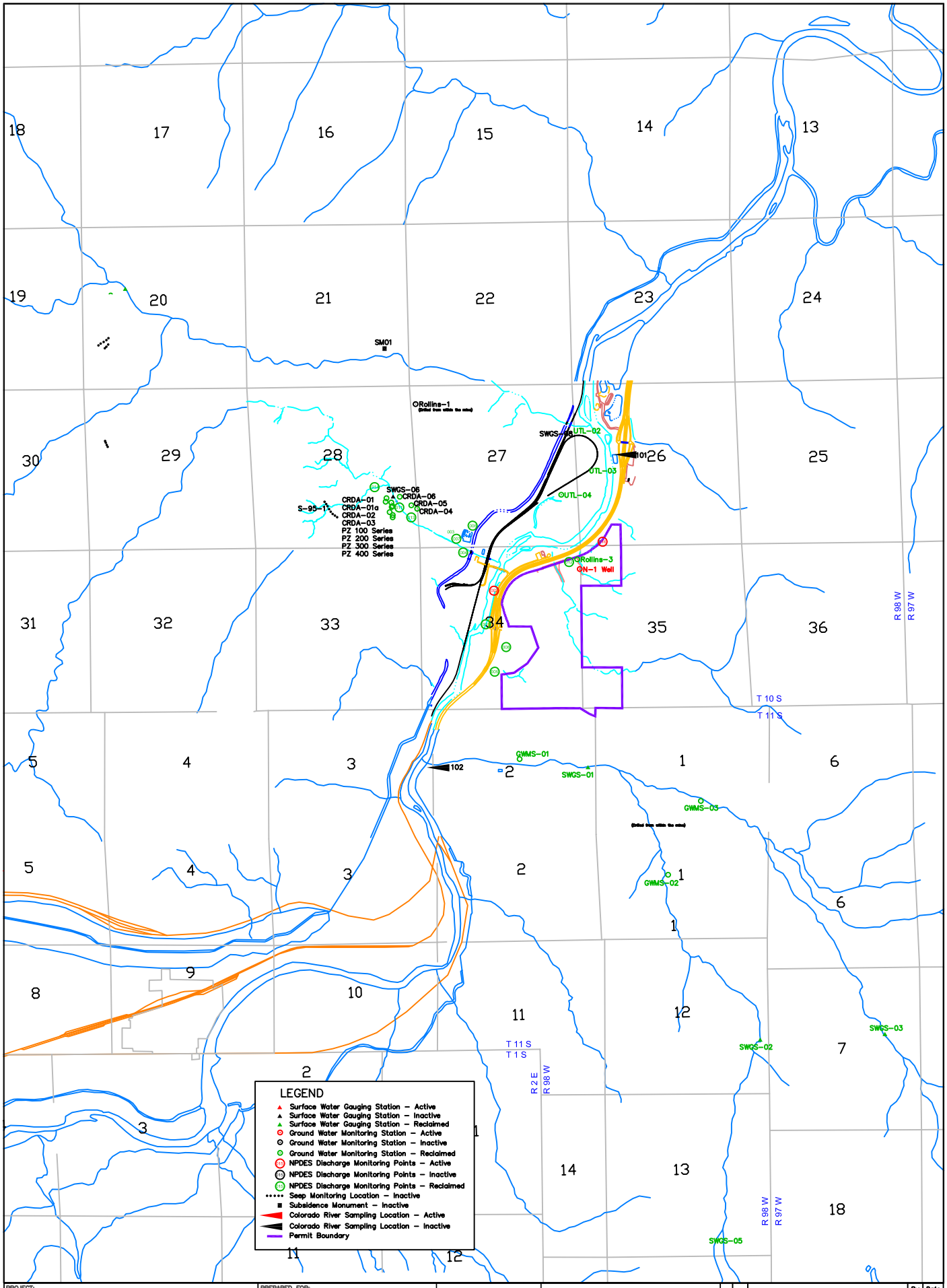
GA-# - Cottonwood Creek and Rapid Creek Groundwater Levels GWMS 01A, 01B, 02A, 02, 03A, 03B (Discontinued 2016)
GB-# - Unit Train Loadout Groundwater Level UTL-01, 02, 03, 04 (Discontinued 2011)
GC-# - Cameo Refuse Disposal Area Ground Water CRDA & PZ #s (Discontinued 2016)
GD-# - Water Quality Data UTL-02 UTL-04 (Discontinued 2010)
GE-# - Rollins Sandstone Wells depth to water and water quality Rollins-1, 2, 3, 4 (Discontinued 2011)

Mine Inflows

MA-# - South Portal inflow and quality data (Discontinued 1999)
MB-# - North Portal inflow and quality data (Discontinued 1999)

Consumptive Use

CA-# - Palisade Domestic Water and Preparation Plant, meter readings (Discontinued 2000)



PROJECT: SNOWCAP COAL COMPANY, INC.

TITLE: ROADSIDE NORTH AND SOUTH MINES MONITORING LOCATION MAP

DWG. NAME: 2024 AHR

DRMS I.D. No. C-1981-041

SCALE: NTS

PREPARED FOR:
SNOWCAP COAL COMPANY, INC.
P. O. Box 443
Grand Junction, CO 81502
(970) 260-6740

PREPARED BY: CAMBO RECLAIM LLC
3703 Medina Dr
Grand Jct., CO 81506

DIGITIZED	TKH	03/03/04
DRAWN:		
CHECKED:	JES	03/03/04

REVISIONS			By	Date
1	2024 Annual Hydrologic Map (Oct 2023 to Sept 2024)		TKH	03/25

REFERENCES
C:\D_Drive\Spars\Old-D-Drive\PowderhornCoal\Powderhorn\ahr\2024MonitoringLocationMap

SNOWCAP COAL COMPANY, INC.
2024 ANNUAL HYDROLOGY REPORT
OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024

Introduction

During the 2024 Water Year, referred to as “the Year”, the reclaimed mines were in cessation, pending final bond release. Mining ceased at the Roadside Portals on December 2, 1999. The North Mine was sealed on February 10, 2000. The Roadside South Mine was sealed on April 12, 2000. The South Fan was sealed May 22, 2000. The 2 West Portals were sealed on April 24, 2000. Production at the Roadside North utilized room and pillar mining with continuous miners and shuttle cars.

Reclamation of CRDA-2 was completed in 2002. The sediment retained by the drop structures in Coal Canyon was harvested for cover material. Material excavated during construction of the upper diversion ditch was also used as cover material. A small amount of cover material was obtained from CBA-1. Topsoil was obtained from Topsoil Stockpiles 2, 7, 8 and 9. Reclamation of CRDA-1 was also completed in 2002. Cover material was obtained from CBA-2. The road to CRDA-1 was left open to accept coal and refuse material from other ongoing reclamation activities. The road begins at the west end of Haul Rd No. 5 and extends to the top of CRDA-1.

The North Portal was regraded to approximate original contour during 2002. Backfill material came from areas filled near Coal Creek and around the coal stockpile area.

During 2002 the RSRDA was graded to final contours. The existing cover was graded off of the slope and used as cover below the first bench. Refuse material was cut from the pile to establish two 10' - 15' wide benches on 30' to 40' elevation intervals. This refuse material was placed in an extension of the pile to the north. Cover material was obtained from the RSRDA borrow area.

During 2003, a portion of the conveyor corridor was regraded and seeded. This work extended from the culvert under Excel’s frontage road to the culvert under the railroad loop. The conveyor bridge over the Colorado River was removed during the year.

During 2004, the conveyor corridor, from the Xcel culvert south to Transfer Building #2 and east of the Colorado River where the conveyor tube crossed the river, was graded to approximate original contours and seeded.

No reclamation was performed in 2005 or 2006.

During 2007, a permit revision (PR3) was approved to change the land use at the South Portal from Fish and Wildlife to Industrial/Commercial. Final grading was completed for the approved reclamation plan.

During 2008, seeding was completed at the South Portal and the “G” Substation was removed, graded to approximate original contours and seeded.

During 2009, the rail spur lying south of I.9 Road was reclaimed, graded and seeded. A phase III bond release (SL5) was approved on the reclaimed conveyor corridor lying south of I.9 Road, and a permit revision (PR4) was approved to change the land use at the Unit Train Loadout from Fish and Wildlife to Industrial/Commercial. Halliburton Energy Services purchased the UTL and began construction of their commercial sand plant operations.

During 2010 coal fines from the UTL were hauled to CRDA-1 and reclamation of CRDA-1 road was finalized in September. Ponds 1 and 2, sewage lagoons, topsoil pile 4 along with other areas of the UTL were reclaimed, regraded and reseeded. A phase III bond release (SL6) was approved for the Commercial/Industrial portion of the South Portal.

During 2011 Pond 7, sumps and ditches at the North Decline and Pond 8 at the South Portal were reclaimed, regraded and reseeded. A phase III bond release (SL7) was approved for the UTL, Railroad Loop, the remainder of the conveyor corridor and the permanent flood control dike.

During 2012 Ponds 6, 10, 11 and 13, CBA#1 Sump and miscellaneous sedimentation control features at the North Portal and along Coal Creek were reclaimed, regraded and reseeded. A permit revision (PR5) was approved allowing Coal Creek and Coal Gulch to remain in their present alignment and allows for the North Portal upper diversion ditch and a portion of Topsoil Pile 2 to remain as permanent features.

During 2013 Pond 9 was reclaimed, regraded and reseeded.

No reclamation was performed in 2014.

No reclamation was performed in 2015.

No reclamation was performed in 2016. Bond release application SL8 was approved on November 14, 2015. With this approval 128 surface disturbed acres achieved Phase III release; 136.5 surface disturbed acres achieved Phase II release and 22.2 surface disturbed acres achieved Phase I release. Also released with SL-8 were 1288.9 unaffected acres and 744 undisturbed acres overlying underground workings.

No reclamation was performed in 2017. A permit revision (PR6) was approved to change the land use at the Roadside North Portal Area from Fish and Wildlife to Industrial/Commercial. Bond release applications SL9 and SL10 were approved releasing 13.1 acres from Phase II liability and 13.6 acres from Phase III liability. Also released were 0.2 acres of undisturbed acres overlying underground workings.

No reclamation was performed in 2018.

During 2019 a hydrologic communication repair above the South Portal Mine was completed as approved by TR69. This repair generated a disturbance of 0.4 acres which was regraded, seeded and mulched.

No reclamation was performed in 2020. Bond release application SL11 was approved releasing 2.4 acres from Phase II liability and 10.4 acres from Phase III liability. Also released with SL11 were 291.3 undisturbed acres overlying underground workings.

No reclamation was performed in 2021.

No reclamation was performed in 2022.

No reclamation was performed in 2023. The 0.4 acre hydrologic communication repair above the South Portal Mine that was reclaimed in 2019 was disturbed by the surface land owner. The operator repaired the disturbance and re-seeded the 0.4 acres. New straw waddles and a 3-strand wire fence were installed.

No reclamation was performed in 2024.

The general format of this report is the same as in previous years.

Surface Water

Water flow and quality on the Colorado River is monitored by the U.S. Geologic Survey (USGS) at various locations. The closest location is Station No. 09095500, which is located upstream approximately 7 miles north east of the mine site. Water quality and flow from this site are used as a general representation of the Colorado River up gradient of the mining operation. There is a diversion to the Government Highline Canal, the addition of Plateau Creek and the addition of other minor drainages between the monitoring site and the mine site. Data Pages SQ-134 through SQ-137 includes information supplied by USGS on this site during the 2024 Water Year. The total flow at this site for the Year was 2,662,670 acre-feet which is 97% of the normal average flow for the period 1934 - 2024 (2,737,153). The estimated TDS load for the Year was 1.36 million tons. This estimate is made by converting values for conductivity reported on page SQ-137 to TDS per acre feet and multiplying by the monthly flow in acre feet. The low flow for the Year, as recorded on page SQ-134, was 1150 CFS on January 17, 2024. The river was carrying approximately 1.02 tons of TDS per acre-foot on January 17, 2024. This flow and TDS load equates to approximately 2333 tons of Total Dissolved Solids, TDS, being carried by the river past the mine that day. The mine discharge on January 2, 2024 (the closest monthly analysis), was 115.1 gpm @ 1190 mg/l TDS; resulting in approximately 0.82 tons of TDS being discharged. Comparing the calculated TDS load in the River at low flow and the mine discharge near the same date, the maximum increase in the River's TDS as a result of mine discharge would have been 0.04%.

The surface water monitoring points on Cottonwood and Rapid Creeks were suspended from monitoring with the approval of TR67 on February 23, 2016 therefore no current or future monitored will be conducted. Past monitoring of these points can be found on data pages SG-61, SG-62, SH-28 and SI-28. The Cottonwood and Rapid Creek flumes associated with SWGS 01, SWGS 02 and SWGS 03 were removed in August 2016.

Monitoring on Coal Creek and Jerry Creek started in 1995. The crest stage gages installed in Coal Canyon drainage and Jerry Creek in 1996 were destroyed by a storm in the summer of 1998. Discussions with DRMS indicated there was no need to monitor the upstream locations SWGS 07 and 09. The creeks were then only monitored at the lower monitoring points. The ephemeral flow in Coal Creek was measured at culverts located between the two refuse disposal areas, SWGS 06. These culverts provided a stable cross section and were accessible throughout the year. The intermittent flow in Jerry Creek was measured at the culvert near the Highline Canal, SWGS 08. Beginning July 1999, instantaneous flows were monitored monthly. Monitoring was suspended for Jerry Creek (SWGS 08) with the approval of TR62 on 11/8/11. Monitoring was suspended for Coal Creek (SWGS 06) with the approval of TR67 on February 23, 2016. Therefore, no monitoring was performed during the Year.

There were four seeps included in the hydrologic monitoring in 1995. The locations of the seeps are shown on the Hydrologic Monitoring Map. They are located adjacent to Coal Canyon drainage and Jerry Creek. They are primarily evident by the white staining on the hillsides from evaporation of the seeps. None of them flow to the creek channel but generally evaporate within a couple of hundred feet of the source. On April 19, 2006, Snowcap Coal Company submitted a technical revision, TR50, requesting to discontinue seep monitoring. The request was approved by the Division on July 25, 2006. Therefore, no monitoring was performed during the Year.

There was no discharge from CDPS discharge points 005 thru 015 during the Year. These outfalls covered sediment pond discharges. Discharge point 015, now inactive, was permitted to allow pumping water from the south end of the Roadside South Portal out the 2 West portals. All sediment ponds associated with an outfall have previously received full bond release by DRMS. Discharge point 016 is permitted for gravity discharge from the northwest intake pool. It replaced outfalls 001 and 002 on March 31, 2002.

Discharge point 001 was primarily used as an overflow to a mine water system for the preparation plant during mine operations. During March and April 2000, a discharge pipe was installed from the No. 2 South Mains sump to outfall 001. The routing of this 4-inch diameter pipe is presented on permit Figure 14-6. The capacity of this discharge pipe was about 75 gpm. Flow ceased at discharge point 001 on March 31, 2002. Discharge point 001 was reclaimed during the 1st quarter of 2008 and is no longer operational.

Discharge point 002 was water siphoned from the reclaimed Northwest Intake Portal at the Roadside South Portals. Mine inflows that were not pumped to the preparation plant were routed to an abandoned portion of the mine for discharge from this point. The preparation plant was shut down during December 1999 so all mine inflows in excess of those handled by outfall 001, flow north to the lower portion of the mine where they were handled by the siphon, outfall 002. Flow ceased at discharge point 002 on March 31, 2002.

The following table presents the total dissolved solids concentration in Outfall 002.

Average TDS from Pages SE-8 ≡ SE-11 Outfall 002				
Water Year	1999	2000	2001	2002
TDS (mg/l)	1558	1560	1500	1500

Discharge point 016 was put into service April 1, 2002. Discharge began April 3, 2002. This gravity discharge point handles all of the water that flows into the sealed South Portal. Since it is a gravity discharge point, the flow discharged will equal the flow into the mine. Data pages SV-23 to SV-27 presents a listing of flow and water quality monitoring performed at this site during the Year. Data page SU-7 includes a full suite analysis performed on a sample collected during the Year. The average TDS value at discharge point 016 for the Year was 1175 mg/l.

Whole Effluent Toxicity (WET) tests were not performed during the Year. On May 3, 2005, Snowcap Coal Company requested, via letter to the CDPHE, the WET tests be terminated. This request was granted and the CDPS Permit was amended on June 27, 2005, becoming effective on August 1, 2005.

Ground Water

The ground water monitoring points on Cottonwood and Rapid Creeks were suspended from monitoring with the approval of TR67 on February 23, 2016, therefore no monitored was conducted for the Year. The monitoring wells associated with GWMS01 A&B, GWMS02 A&B, and GWMS03 A&B were plugged and abandoned on August 24, 2016. A copy of the abandonment report was included in the 2016 AHR.

Piezometers CRDA-01 thru 06 at the Cameo Refuse Disposal Areas (CRDA) No. 1 and No. 2 were not monitored during the Year. The monitoring was suspended for these piezometers with the approval of TR67 on February 23, 2016. The piezometers were removed and backfilled in May 2016 as specified on page 14-31 of SCC's permit document. Past monitoring shows the water levels in the piezometers were consistently below their critical depths and information can be found on data pages GC-1 through GC-25.

The past results of water level measurements at the unit train loadout are listed on Data page GB-2. Monitoring of these piezometers was discontinued with the approval of SL7 in April 2011 and the UTL-01, UTL-02, UTL-03 and UTL-04 piezometers were sealed and reclaimed on May 17, 2011. The Well Abandonment Reports were included in DRMS's quarterly report dated July 7, 2011. No monitoring was performed during the Year.

A former mine dewatering hole (N-1) located at the North Decline area of the mine is used to monitor the water level in the abandoned portions of the Roadside South Portal. Since discharge point 016 was put into service, the water level in N-1 is virtually constant and it is

expected to stay at an elevation of about 4758. The results of monitoring N-1 are presented in Table M24-2.

In order to characterize the Rollins Sandstone two surface and two underground wells were installed during June 1997. The surface wells, Rollins-2 and Rollins-3, were installed at the unit train loadout and the north decline respectively. The underground wells, Rollins-1 and Rollins-4, were installed in the North and South Portals respectively. Depth to water ranged from 56.5 feet below grade in the North Decline well to artesian in the North Portal well. Monitoring of these wells was performed in accordance with permit requirements. Prior depth to water data is presented on data page GE-1-1. Rollins-1 was sealed in December 1999 and Rollin-4 was sealed in April 2000. Rollins-2 and 3, with the approval of SL-7, were sealed in May 2011. The Well Abandonment Reports were included in DRMS's quarterly report dated July 7, 2011. No monitoring was performed during the Year.

Mine Water

There was no annual mine inflow study performed during the Year since the North and South Portals have been sealed. The last annual mine inflow was performed during December 1999 and reported in the 1999 report.

Discharge Monitoring Reports (DMRs)

DMRs are submitted monthly to the Colorado Department of Public Health and Environment with copies to the Division of Reclamation Mining and Safety and are included herein by reference.

Consumptive Use

There was no consumptive use during the Year.

Impacts

The average total dissolved solids for the mine discharges calculated with total flow for the Year yields the tons of TDS discharged for the year. Outfall 016 discharged a total of 245.1 tons of TDS to the river during the Year.

The 2024 TDS discharge represents 0.018% of the 1.36 million tons calculated to be carried by the River. At the Roadside South Portal, water is expected to perpetually discharge through outfall 016.

Based on flume monitoring from 1985 to 2016, no effects of mining were detected on flows in Cottonwood and Rapid Creeks. Mining ceased at the Roadside Portals on December 2, 1999. No further mining from either portal is anticipated in the foreseeable future.

Consumptive use will be insignificant in the future because mining and washing of coal has

ceased. Consumptive use, if needed, will be for hydro-seeding and dust control during reclamation operations.

Snowcap Coal Company, Inc.

N-1 Monitoring Well
North Decline
2024

N-1 Top of Pipe - Elevation 4833

Date	Depth to Water	Elevation
10/3/2023	75.33	4757.67
10/11/2023	75.31	4757.69
11/6/2023	75.28	4757.72
11/14/2023	75.29	4757.71
12/4/2023	75.34	4757.66
12/12/2023	75.33	4757.67
1/2/2024	75.36	4757.64
1/10/2024	75.33	4757.67
2/5/2024	75.40	4757.60
2/13/2024	75.40	4757.60
3/5/2024	75.42	4757.58
3/18/2024	75.45	4757.55
4/1/2024	75.42	4757.58
4/9/2024	75.40	4757.60
5/6/2024	75.30	4757.70
5/14/2024	75.32	4757.68
6/3/2024	75.33	4757.67
6/11/2024	75.30	4757.70
7/1/2024	75.31	4757.69
7/9/2024	75.35	4757.65
8/5/2024	75.40	4757.60
8/13/2024	75.41	4757.59
8/20/2024	75.41	4757.59
9/3/2024	75.42	4757.58
9/16/2024	75.44	4757.56

Min	75.28	4757.55
Max	75.45	4757.72
Average	75.36	4757.64

Desired Range 4755 to 4762

Water-Data Report 2024

09095500 COLORADO RIVER NEAR CAMEO, CO -- Continued

DISCHARGE, CUBIC FEET PER SECOND
YEAR 2023-10-01 to 2024-09-30
DAILY MEAN VALUES

[e, Value has been estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	2023	2023	2023	2024	2024	2024	2024	2024	2024	2024	2024	2024
1	2,240	2,240	1,480	e1,310	1,480	1,440	1,880	4,180	10,900	9,730	2,350	2,150
2	2,350	2,190	1,650	e1,320	1,530	1,520	1,910	4,430	11,500	10,200	2,300	2,080
3	2,420	2,170	1,630	e1,310	1,630	1,560	1,880	4,700	12,400	10,800	2,220	2,050
4	2,450	2,060	1,670	e1,310	1,630	1,640	1,900	4,600	12,900	9,550	2,190	2,000
5	2,420	1,980	1,670	1,370	1,560	1,580	2,000	4,680	14,700	7,950	2,160	1,960
6	2,400	1,940	1,650	1,430	1,480	1,530	2,280	5,180	16,300	6,660	2,290	2,090
7	2,410	1,920	1,680	1,420	1,720	1,510	2,490	5,610	18,400	5,950	2,330	2,350
8	2,390	1,890	1,680	1,410	1,620	1,510	2,440	5,370	19,500	5,570	2,310	2,510
9	2,370	1,840	1,730	e1,290	1,590	1,510	2,290	4,900	20,900	5,180	2,310	2,410
10	2,360	1,830	1,620	e1,260	1,520	1,470	2,260	4,500	21,100	4,820	2,380	2,400
11	2,350	1,820	1,470	e1,400	1,510	1,440	2,260	4,280	20,300	4,520	2,760	2,390
12	2,880	1,750	1,610	e1,310	1,450	1,460	2,230	4,120	19,900	4,310	2,620	2,380
13	2,650	1,730	1,650	e1,300	1,430	1,540	2,360	4,120	19,600	4,080	2,680	2,360
14	2,570	1,730	1,700	1,430	1,470	1,580	2,750	4,300	19,000	3,880	2,720	2,330
15	2,560	1,750	1,620	1,460	1,490	1,570	3,270	4,990	17,600	3,770	2,700	2,310
16	2,550	1,750	1,530	e1,340	1,520	1,550	3,660	5,840	16,100	3,670	2,600	2,270
17	2,520	1,750	1,460	1,150	1,520	1,560	3,530	6,730	15,600	3,610	2,480	2,300
18	2,480	1,760	1,440	1,310	1,500	1,560	3,300	7,630	14,800	3,610	2,390	2,340
19	2,500	1,790	1,400	e1,530	1,400	1,580	3,340	8,590	13,200	3,380	2,360	2,390
20	2,510	1,790	1,460	e1,500	1,520	1,610	3,390	9,600	11,600	3,340	2,250	2,370
21	2,500	1,750	1,550	1,500	1,520	1,640	3,420	10,200	12,000	3,280	2,200	2,350
22	2,480	1,710	1,590	1,540	1,540	1,700	3,520	9,870	13,300	3,140	2,330	2,440
23	2,460	1,650	1,580	1,570	1,540	1,770	3,840	8,720	12,900	2,980	2,430	2,520
24	2,470	1,680	1,590	1,520	1,490	1,860	4,310	7,900	12,100	2,740	2,700	2,530
25	2,450	1,770	1,540	1,510	1,470	1,940	5,000	7,300	11,300	2,570	2,560	2,440
26	2,370	1,720	1,260	1,530	1,480	1,920	5,540	7,260	10,300	2,450	2,780	2,460
27	2,330	1,610	1,240	1,510	1,510	1,830	5,610	7,140	9,540	2,620	2,530	2,430
28	2,330	1,440	e1,270	1,490	1,550	1,770	5,390	7,250	9,930	2,840	2,490	2,430
29	2,490	1,350	1,240	1,470	1,370	1,770	4,870	8,070	10,400	2,690	2,430	2,430
30	2,490	1,400	e1,170	1,500		1,840	4,390	9,200	9,980	2,540	2,280	2,420
31	2,320		1,230	1,500		1,860		10,400		2,420	2,180	
Total	76,070	53,760	47,060	43,800	44,040	50,620	97,310	201,700	438,000	144,900	75,310	69,890
Mean	2,454	1,792	1,518	1,413	1,519	1,633	3,244	6,505	14,599	4,673	2,429	2,330
Max	2880	2240	1730	1570	1720	1940	5610	10400	21100	10800	2780	2530
Min	2240	1350	1170	1150	1370	1440	1880	4120	9540	2420	2160	1960
Ac-ft	150,900	106,600	93,340	86,880	87,350	100,400	193,000	400,000	868,900	287,300	149,400	138,600

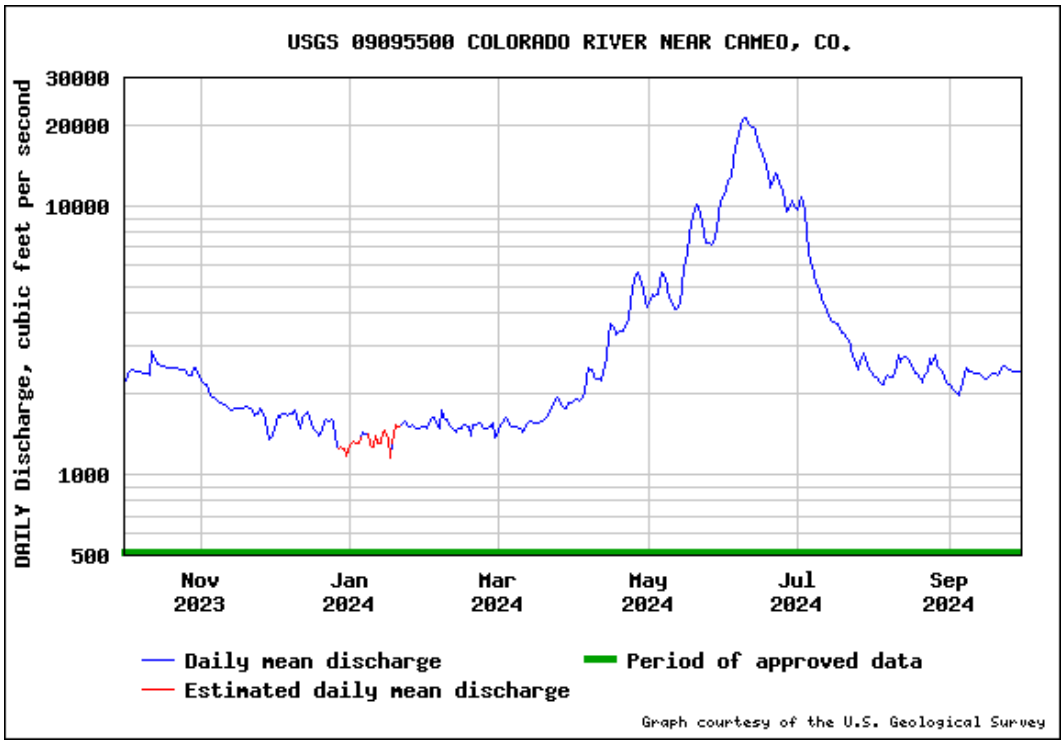
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2024, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,194	1,917	1,658	1,560	1,573	1,792	3,105	8,715	12,050	5,635	2,816	2,261
Max	3,731	3,253	3,002	2,621	2,775	3,365	8,615	20,290	25,829	17,430	6,571	4,271
(WY)	(1985)	(1985)	(1985)	(1985)	(1986)	(1986)	(1962)	(1984)	(1984)	(1957)	(1984)	(1984)
Min	1,084	1,038	1,004	940	941	1,019	1,428	2,536	2,606	1,515	1,332	1,243
(WY)	(1935)	(1935)	(1935)	(1964)	(1935)	(1935)	(2013)	(1977)	(2002)	(1934)	(1940)	(1934)

SUMMARY STATISTICS

	Water Year 2024		Water Years 1934 - 2024	
Annual total	1,342,000			
Annual mean	3,668		3,778	
Highest annual mean			7,605	1984
Lowest annual mean			1,751	2002
Highest daily mean	21,100	Jun 10	38,000	May 26, 1984
Lowest daily mean	1,150	Jan 17	608.0	Dec 23, 2012
Annual 7-day minimum	1,246	Dec 26	852.4	Dec 24, 1939
Maximum peak flow	21,800[a]	Jun 09	39,300[a]	May 26, 1984
Maximum peak stage	11.47	Jun 09	14.36	May 26, 1984
Annual runoff (cfsm)	0.459		0.473	
Annual runoff (inches)	6.25		6.43	
10 percent exceeds	9,565		9,031	
50 percent exceeds	2,315		2,160	
90 percent exceeds	1,460		1,360	

[a] Discharge affected to unknown degree by Regulation or Diversion



SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
YEAR 2023-10-01 to 2024-09-30
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	2023	2023	2023	2024	2024	2024	2024	2024	2024	2024	2024	2024
1	970	998	1,390	1,530	1,260	1,300	1,100	583	339	366	912	992
2	963	1,020	1,360	1,440	1,260	1,290	1,100	585	332	367	924	994
3	948	1,050	1,280	1,410	1,250	1,240	1,080	544	316	339	935	1,020
4	926	1,050	1,260	1,400	1,250	1,230	1,080	531	308	362	949	1,020
5	921	1,090	1,240	1,390	1,230	1,210	1,070	535	293	403	---	1,040
6	928	1,110	1,220	1,360	1,240	1,270	1,040	519	273	456	939	1,040
7	936	1,130	1,230	1,320	1,240	1,230	958	492	262	497	929	998
8	940	1,180	1,210	1,320	1,240	1,240	899	485	259	518	926	906
9	947	1,160	1,220	1,350	1,250	1,250	901	507	256	544	920	868
10	958	1,130	1,200	1,380	1,250	1,250	917	540	253	569	928	885
11	963	1,160	1,240	1,420	1,280	1,250	926	569	255	596	---	893
12	969	1,160	1,290	1,380	1,270	1,270	938	587	260	621	902	895
13	946	1,180	1,270	1,350	1,300	1,270	957	602	260	640	921	893
14	942	1,210	1,230	1,380	1,320	1,250	902	597	261	662	882	890
15	943	1,200	1,210	1,350	1,300	1,220	790	557	269	678	874	898
16	935	1,190	1,230	1,330	1,270	1,220	685	488	281	692	878	904
17	941	1,190	1,280	1,350	---	1,210	651	440	280	708	888	917
18	946	1,200	1,330	1,410	1,260	1,220	666	400	282	712	900	950
19	950	1,180	1,350	1,430	1,260	1,210	687	370	294	728	907	898
20	944	1,180	1,370	1,300	1,300	1,210	683	347	317	745	917	905
21	936	1,170	1,350	1,260	1,260	1,190	681	338	327	753	937	901
22	939	1,190	1,310	1,240	---	1,170	677	338	306	766	947	903
23	942	1,200	1,260	1,230	---	1,150	645	365	299	788	923	897
24	948	1,220	1,260	1,230	1,230	1,120	625	397	315	822	920	885
25	942	1,220	1,270	1,230	1,260	1,090	529	426	325	861	915	879
26	951	1,220	1,300	1,250	1,250	1,050	483	436	344	906	880	890
27	974	1,230	1,380	1,250	1,260	1,050	469	441	366	925	902	885
28	984	1,250	1,520	1,250	1,260	1,090	482	440	369	889	910	888
29	994	1,340	1,480	1,260	1,240	1,110	510	422	349	864	921	887
30	960	1,390	1,490	1,270		1,130	546	387	352	873	932	887
31	973		1,500	1,260		1,110		358		886	970	
Max	994	1390	1520	1530		1300	1100	602	369	925		1040
Min	921	998	1200	1230		1050	469	338	253	339		868
Mean	950	1173	1307	1333	1261	1197	789	472	300	662	917	924

Snowcap Coal Company, Inc.
2024 Water Year

NPDES POINT 016 — Chemical Analysis — SU-7

Field Parameters		8/14/2023	8/20/2024
pH	SU	7.46	7.41
Conductivity	umhos/cm	1930	1890
Temperature	(C)	21.3	24.8

Laboratory Results		8/14/2023	8/20/2024
Carbonate (CO_3^{-2})	mg/l	<2.0	<2.0
Aluminum, Dissolved	mg/l	<0.05	<0.07
Arsenic, Dissolved	mg/l	<0.0002	<0.0002
Barium, Dissolved	mg/l	1.5	1.63
Boron, Dissolved	mg/l	0.793	0.797
Cadmium, Dissolved	mg/l	<0.00005	<0.00005
Calcium, Dissolved	mg/l	10.8	11.2
Chloride, Dissolved	mg/l	22.8	19.8
Chromium, Dissolved	mg/l	<0.0005	<0.0005
Copper, Dissolved	mg/l	<0.01	<0.01
Fluoride, Dissolved	mg/l	1.8	1.73
Hardness, (as Ca Co3)	mg/l	27.0	28.0
Iron, Dissolved	mg/l	<0.06	<0.06
Lead, Dissolved	mg/l	<0.0001	0.00018
Magnesium, Dissolved	mg/l	5.31	5.49
Manganese, Dissolved	mg/l	0.029	0.037
Mercury, Dissolved	mg/l	<0.0002	<0.0002
Molybdenum, Dissolved	mg/l	<0.02	<0.02
Nickel, Dissolved	mg/l	<0.008	<0.008
Nitrate ($N0_3^{-1}$)	mg/l	<0.02	<0.02
Phosphate (PO_4^{-3}, as P)	mg/l	0.45	0.43
Potassium, Dissolved	mg/l	2.95	3.14
Selenium, Dissolved	mg/l	<0.0001	<0.0001
Sodium, Dissolved	mg/l	444	454
Solids, Total Dissolved	mg/l	1200	1160
Solids, Total Suspended	mg/l	<5.0	<5.0
Sulfate, SO4	mg/l	9.1	7.3
Zinc, Dissolved	mg/l	<0.02	<0.02
Ammonia, Nitrogen, NH_3	mg/l	0.739	0.803
Bicarbonate (HCO_3^{-1})	mg/l	964	1050
SAR	Ratio	28.0	28.0

SNOWCAP COAL COMPANY, INC.
2024 WATER YEAR

SV-23

ROADSIDE SOUTH PORTAL DISCHARGE
OUTFALL 016 - CPDS #CO - 0027146

DATE	METER (Totalizer)	*** METER (24 hr)	FLOW GPM	PH SU	COND. umhos/cm	TEMP C	TSS Month	Unit	TDS Qrtly	Unit	Iron (TR) Qrtly	Unit	Arsenic (T) 2/Mo	Unit	Cadmium (PD) 2/Mo	Unit	Copper (PD) 2/Mo	Unit	Cyanide (WAD) 2/Mo	Unit	Lead (PD) 2/Mo	Unit	Selenium (PD) 2/Mo	Unit	Silver (PD) 2/Mo	Unit	Sulfide (H2S) 2/Mo	Unit
9/13/2023	20,439,000																											
10/3/2023	23,607,000		110.0	7.5	1940	20.4	< 5.0	mg/l	= 1150	mg/l	= 17.7	ug/l	< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.59	mg/l
10/11/2023	24,961,000		117.5	7.4	1960	19.2							< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.72	mg/l
11/6/2023	29,510,000		121.5	7.5	1870	19.8	< 5.0	mg/l					< 1.00	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.85	mg/l
11/14/2023	30,970,000		126.7	7.5	1920	20.2							< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.72	mg/l
12/4/2023	34,379,000		118.4	7.3	1950	18.3	= 12.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	= 1.41	ug/l	< 3.0	ug/l	= 0.44	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.55	mg/l
12/12/2023	35,694,000		114.1	7.6	1960	17.7							< 0.20	ug/l	< 0.05	ug/l	= 1.48	ug/l	< 3.0	ug/l	= 0.63	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.61	mg/l
1/2/2024	39,175,000		115.1	7.5	1920	18.5	< 5.0	mg/l	= 1190	mg/l	= 14.7	ug/l	< 0.20	ug/l	< 0.05	ug/l	= 4.4	ug/l	< 3.0	ug/l	= 0.88	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.76	mg/l
1/16/2024	41,375,000		109.1	7.5	1970	13.4							< 0.20	ug/l	< 0.05	ug/l	= 2.9	ug/l	< 3.0	ug/l	= 0.21	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.57	mg/l
2/5/2024	44,146,000		96.2	7.5	2000	17.3	< 5.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	= 3.7	ug/l	< 3.0	ug/l	= 0.37	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.53	mg/l
2/13/2024	45,223,000		93.5	7.5	2100	17.5							< 0.20	ug/l	< 0.05	ug/l	= 2.5	ug/l	< 3.0	ug/l	= 0.27	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.38	mg/l
3/5/2024	47,928,000		89.5	7.5	2000	17.9	< 5.0	mg/l					< 0.20	ug/l	= 0.07	ug/l	= 7.5	ug/l	< 3.0	ug/l	= 0.41	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.65	mg/l
3/18/2024	49,389,000		78.0	7.5	2000	19.2							< 0.20	ug/l	< 0.05	ug/l	= 3.4	ug/l	< 3.0	ug/l	= 0.24	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.60	mg/l
4/1/2024	50,892,000	109915.0	76.3	7.5	1930	20.9	< 5.0	mg/l	= 1170	mg/l	= 19.3	ug/l	< 0.20	ug/l	< 0.05	ug/l	= 3.2	ug/l	< 3.0	ug/l	= 0.16	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.36	mg/l
4/2/2024		106819.9	74.2																									
4/3/2024		108411.2	75.3																									
4/4/2024		115078.3	79.9																									
4/5/2024		119463.1	83.0																									
4/6/2024		117918.9	81.9																									
4/7/2024		97750.3	67.9																									
4/8/2024		90964.6	63.2																									
4/9/2024	51,734,000	99754.8	69.3	7.5	1920	19.9							< 0.20	ug/l	< 0.05	ug/l	= 1.9	ug/l	< 3.0	ug/l	= 0.15	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.40	mg/l
4/10/2024		110901.6	77.0																									
4/11/2024		114577.1	79.6																									
4/12/2024		116815.5	81.1																									
4/13/2024		108871.0	75.6																									
4/14/2024		105247.1	73.1																									
4/15/2024		105723.6	73.4																									
4/16/2024		109126.0	75.8																									
4/17/2024		123358.0	85.7																									
4/18/2024		131037.3	91.0																									
4/19/2024		126793.4	88.1																									
4/20/2024		127313.5	88.4																									
4/21/2024		123144.0	85.5																									
4/22/2024		123299.4	85.6																									
4/23/2024		131504.1	91.3																									
4/24/2024		128152.2	89.0																									
4/25/2024		128121.3	89.0																									
4/26/2024		129576.8	90.0																									
4/27/2024		133492.6	92.7																									
4/28/2024		135196.3	93.9																									
4/29/2024		144808.6	100.6																									
4/30/2024		152188.4	105.7																									
5/1/2024		154095.1	107.0																									

SNOWCAP COAL COMPANY, INC.
2024 WATER YEAR

SV-24

ROADSIDE SOUTH PORTAL DISCHARGE
OUTFALL 016 - CPDS #CO - 0027146

DATE	METER (Totalizer)	*** METER (24 hr)	FLOW GPM	PH SU	COND. umhos/cm	TEMP C	TSS Month	Unit	TDS Qrtly	Unit	Iron (TR) Qrtly	Unit	Arsenic (T) 2/Mo	Unit	Cadmium (PD) 2/Mo	Unit	Copper (PD) 2/Mo	Unit	Cyanide (WAD) 2/Mo	Unit	Lead (PD) 2/Mo	Unit	Selenium (PD) 2/Mo	Unit	Silver (PD) 2/Mo	Unit	Sulfide (H2S) 2/Mo	Unit
5/2/2024		154695.2	107.4																									
5/3/2024		154399.3	107.2																									
5/4/2024		156392.6	108.6																									
5/5/2024		160380.8	111.4																									
5/6/2024	55,311,000	167345.0	116.2	7.5	1930	18.4	< 5.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	= 2.4	ug/l	< 3.0	ug/l	= 0.45	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.59	mg/l
5/7/2024		159344.7	110.7																									
5/8/2024		162120.9	112.6																									
5/9/2024		160713.3	111.6																									
5/10/2024		160199.7	111.2																									
5/11/2024		159147.1	110.5																									
5/12/2024		161761.1	112.3																									
5/13/2024		162984.0	113.2																									
5/14/2024	56,595,000	163557.0	113.6	7.5	1930	20.0							< 0.20	ug/l	< 0.05	ug/l	= 1.8	ug/l	< 3.0	ug/l	= 0.29	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.52	mg/l
5/15/2024		162085.2	112.6																									
5/16/2024		164447.3	114.2																									
5/17/2024		165612.3	115.0																									
5/18/2024		166687.2	115.8																									
5/19/2024		165265.1	114.8																									
5/20/2024		167172.2	116.1																									
5/21/2024		167331.3	116.2																									
5/22/2024		161815.1	112.4																									
5/23/2024		165617.8	115.0																									
5/24/2024		165908.4	115.2																									
5/25/2024		164535.0	114.3																									
5/26/2024		164166.4	114.0																									
5/27/2024		160746.8	111.6																									
5/28/2024		159301.1	110.6																									
5/29/2024		160481.4	111.4																									
5/30/2024		161665.7	112.3																									
5/31/2024		158257.1	109.9																									
6/1/2024		157583.0	109.4																									
6/2/2024		156908.8	109.0																									
6/3/2024	59,813,000	156234.7	108.5	7.4	1990	21.8	< 5.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	= 0.24	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.48	mg/l
6/4/2024		155560.6	108.0																									
6/5/2024		154886.4	107.6																									
6/6/2024		154212.3	107.1																									
6/7/2024		153538.2	106.6																									
6/8/2024		152864.0	106.2																									
6/9/2024		152189.9	105.7																									
6/10/2024		151515.8	105.2																									
6/11/2024	60,079,000	150841.6	104.8	7.4	2000	22.0							< 0.20	ug/l	< 0.05	ug/l	= 1.6	ug/l	< 3.0	ug/l	= 0.30	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.60	mg/l
6/12/2024		150167.5	104.3																									
6/13/2024		149493.4	103.8																									
6/14/2024		148819.3	103.3																									

SNOWCAP COAL COMPANY, INC.
2024 WATER YEAR

SV-25

ROADSIDE SOUTH PORTAL DISCHARGE
OUTFALL 016 - CPDS #CO - 0027146

DATE	METER (Totalizer)	*** METER (24 hr)	FLOW GPM	PH SU	COND. umhos/cm	TEMP C	TSS Month	Unit	TDS Qrtly	Unit	Iron (TR) Qrtly	Unit	Arsenic (T) 2/Mo	Unit	Cadmium (PD) 2/Mo	Unit	Copper (PD) 2/Mo	Unit	Cyanide (WAD) 2/Mo	Unit	Lead (PD) 2/Mo	Unit	Selenium (PD) 2/Mo	Unit	Silver (PD) 2/Mo	Unit	Sulfide (H2S) 2/Mo	Unit
6/15/2024		148145.1	102.9																									
6/16/2024		147471.0	102.4																									
6/17/2024		146796.9	101.9																									
6/18/2024		146122.7	101.5																									
6/19/2024		145448.6	101.0																									
6/20/2024		144774.5	100.5																									
6/21/2024		144100.3	100.1																									
6/22/2024		143426.2	99.6																									
6/23/2024		142752.1	99.1																									
6/24/2024		142077.9	98.7																									
6/25/2024		141403.8	98.2																									
6/26/2024		141733.3	98.4																									
6/27/2024		140921.9	97.9																									
6/28/2024		136018.3	94.5																									
6/29/2024		138416.3	96.1																									
6/30/2024		133025.0	92.4																									
7/1/2024	61,953,000	122210.5	84.9	7.5	2100	22.5	= 13.0	mg/l	= 1190	mg/l	= 17.4	ug/l	< 0.20	ug/l	= 0.06	ug/l	= 1.9	ug/l	< 3.0	ug/l	= 0.48	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.50	mg/l
7/2/2024		121067.5	84.1																									
7/3/2024		124009.4	86.1																									
7/4/2024		123817.6	86.0																									
7/5/2024		121468.9	84.4																									
7/6/2024		118951.1	82.6																									
7/7/2024		111889.4	77.7																									
7/8/2024		106689.1	74.1																									
7/9/2024	62,854,000	105395.6	73.2	7.5	1940	19.7							< 0.20	ug/l	< 0.05	ug/l	= 0.9	ug/l	< 3.0	ug/l	= 0.18	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.48	mg/l
7/10/2024		105584.3	73.3																									
7/11/2024		111083.0	77.1																									
7/12/2024		115358.9	80.1																									
7/13/2024		117328.0	81.5																									
7/14/2024		117606.7	81.7																									
7/15/2024		117415.0	81.5																									
7/16/2024		117179.6	81.4																									
7/17/2024		115037.2	79.9																									
7/18/2024		119137.3	82.7																									
7/19/2024		121009.6	84.0																									
7/20/2024		121753.9	84.6																									
7/21/2024		120868.4	83.9																									
7/22/2024		118271.5	82.1																									
7/23/2024		116781.0	81.1																									
7/24/2024		116595.0	81.0																									
7/25/2024		120086.5	83.4																									
7/26/2024		122673.8	85.2																									
7/27/2024		122073.6	84.8																									
7/28/2024		119986.2	83.3																									

SNOWCAP COAL COMPANY, INC.
2024 WATER YEAR

SV-26

ROADSIDE SOUTH PORTAL DISCHARGE
OUTFALL 016 - CPDS #CO - 0027146

DATE	METER (Totalizer)	*** METER (24 hr)	FLOW GPM	PH SU	COND. umhos/cm	TEMP C	TSS Month	Unit	TDS Qrtly	Unit	Iron (TR) Qrtly	Unit	Arsenic (T) 2/Mo	Unit	Cadmium (PD) 2/Mo	Unit	Copper (PD) 2/Mo	Unit	Cyanide (WAD) 2/Mo	Unit	Lead (PD) 2/Mo	Unit	Selenium (PD) 2/Mo	Unit	Silver (PD) 2/Mo	Unit	Sulfide (H2S) 2/Mo	Unit
7/29/2024		118374.3	82.2																									
7/30/2024		119129.6	82.7																									
7/31/2024	65,448,000	120732.4	83.8		Old Meter Out																							
7/31/2024	0				New Meter In																							
8/1/2024		145872.0	101.3																									
8/2/2024		143601.7	99.7																									
8/3/2024		142781.5	99.2																									
8/4/2024		141098.9	98.0																									
8/5/2024	710,000	136237.4	94.6	7.4	1910	20.7	< 5.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.47	mg/l
8/6/2024		139099.9	96.6																									
8/7/2024		137366.7	95.4																									
8/8/2024		138146.0	95.9																									
8/9/2024		136077.0	94.5																									
8/10/2024		133528.4	92.7																									
8/11/2024		134679.3	93.5																									
8/12/2024		138793.5	96.4																									
8/13/2024	1,810,000	135241.2	93.9	7.4	1910	21.7							< 0.20	ug/l	< 0.05	ug/l	< 0.8	ug/l	< 3.0	ug/l	< 0.10	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.55	mg/l
8/14/2024		139447.3	96.8																									
8/15/2024		139779.6	97.1																									
8/16/2024		139628.9	97.0																									
8/17/2024		136917.3	95.1																									
8/18/2024		137697.0	95.6																									
8/19/2024		137547.8	95.5																									
8/20/2024		134967.1	93.7																									
8/21/2024		133373.4	92.6																									
8/22/2024		135163.0	93.9																									
8/23/2024		134089.5	93.1																									
8/24/2024		132726.6	92.2																									
8/25/2024		132194.9	91.8																									
8/26/2024		133789.8	92.9																									
8/27/2024		134180.7	93.2																									
8/28/2024		135197.1	93.9																									
8/29/2024		133208.3	92.5																									
8/30/2024		131867.5	91.6																									
8/31/2024		132365.3	91.9																									
9/1/2024		132132.6	91.8																									
9/2/2024		132250.9	91.8																									
9/3/2024	4,642,000	129761.3	90.1	7.4	1880	22.1	< 5.0	mg/l					< 0.20	ug/l	< 0.05	ug/l	= 2.1	ug/l	< 3.0	ug/l	= 0.37	ug/l	< 0.10	ug/l	< 0.10	ug/l	= 0.13	mg/l
9/4/2024		130659.8	90.7																									
9/5/2024		130400.3	90.6																									
9/6/2024		131185.7	91.1																									
9/7/2024		132653.0	92.1																									
9/8/2024		132232.6	91.8																									
9/9/2024		132184.4	91.8																									

SNOWCAP COAL COMPANY, INC.
2024 WATER YEAR

SV-27

ROADSIDE SOUTH PORTAL DISCHARGE
OUTFALL 016 - CPDS #CO - 0027146

DATE	METER (Totalizer)	*** METER (24 hr)	FLOW GPM	PH SU	COND. umhos/cm	TEMP C	TSS Month	Unit	TDS Qrtly	Unit	Iron (TR) Qrtly	Unit	Arsenic (T) 2/Mo	Unit	Cadmium (PD) 2/Mo	Unit	Copper (PD) 2/Mo	Unit	Cyanide (WAD) 2/Mo	Unit	Lead (PD) 2/Mo	Unit	Selenium (PD) 2/Mo	Unit	Silver (PD) 2/Mo	Unit	Sulfide (H2S) 2/Mo	Unit
9/10/2024		133264.8	92.5																									
9/11/2024		136247.9	94.6																									
9/12/2024		137633.8	95.6																									
9/13/2024		133003.8	92.4																									
9/14/2024		132945.0	92.3																									
9/15/2024		132882.6	92.3																									
9/16/2024	6,365,000	133546.8	92.7	7.5	1950	19.7							<	0.20	ug/l	<	0.05	ug/l	<	0.8	ug/l	<	3.0	ug/l	=	0.22	ug/l	<	0.10	ug/l	<	0.10	ug/l	=	0.46	mg/l
9/17/2024		134713.2	93.6																									
9/18/2024		133943.7	93.0																									
9/19/2024		133292.3	92.6																									
9/20/2024		134096.1	93.1																									
9/21/2024		131491.3	91.3																									
9/22/2024		131382.0	91.2																									
9/23/2024		131033.2	91.0																									
9/24/2024		129782.9	90.1																									
9/25/2024		129998.1	90.3																									
9/26/2024		129514.9	89.9																									
9/27/2024		129152.1	89.7																									
9/28/2024		128515.0	89.2																									
9/29/2024		129127.4	89.7																									
9/30/2024		128231.4	89.0																									
2024 WY	**Averages**		**95.2**	**7.5**	**1958**	**19.5**	**<**	**6.3**	**mg/l**	**=**	**1175**	**mg/l**	**=**	**17.3**	**ug/l**	**<**	**0.23**	**ug/l**	**<**	**0.05**	**ug/l**	**<**	**2.05**	**ug/l**	**<**	**3.00**	**ug/l**	**<**	**0.29**	**ug/l**	**<**	**0.10**	**ug/l**	**<**	**0.10**	**ug/l**	**=**	**0.54**	**mg/l**

Effective February 1, 2012 monitoring frequencies were changed as follows:
Flow, pH, TSS - Monthly TDS, Iron, Oil & Grease - Quarterly Arsenic, Cadmium, Copper, Cyanide, Lead, Selenium, Silver & Sulfide - 2 Days/Month

***Starting April 1, 2024 Daily Flow measurements from Campbell Scientific SCADA system were used for flow reporting.