

6473 County Road 120
Hesperus, CO 81326

970.385.4528 ext. 6540
mdickson@gcc.com



October 18, 2023

State of Colorado
Division of Reclamation, Mining & Safety
1313 Sherman St., Room 215
Denver, CO 80203

Attn: Environmental Protection Specialist

Re: GCC Energy, LLC, King II Mine
CDRMS Permit # C-1981-035
Annual Compaction: King I Annual Compaction Results

Mr. Wein:

Please find enclosed a copy of Trautner Geotech's Annual Compaction Results of the King I Lower and Upper Refuse Piles.

Please contact me at 970.385.4528 ext. 6540, or mdickson@gcc.com if you have any questions or require any additional information.

Sincerely,

Michael Dickson

Michael Dickson
Mine Engineer
GCC Energy, LLC

DAILY FIELD REPORT AND TEST RESULTSPROJECT NAME: *GCC Energy Mine Density Testing,
Upper & Lower Pads*PROJECT NO.: *58090MT*DATE: *10/9/2023*TECHNICIAN: *See Below*REQUESTED SERVICE: *Nuclear Field Density Test*CONTRACTOR: *GCC*FOREMAN: *Wade*

Technician field notes and comments: We arrived on-site as requested. We performed six (6) nuclear field density tests on previously placed and compacted coal mine reject material –Lab 5077-A. All test results were verbally given to Wade.

NUCLEAR FIELD DENSITY TEST RESULTS

Date	Test No.	Test Location	Probe Depth (in)	Test Elevation	Proctor Density (PCF)	Optimum Moisture (%)	Field Density (PCF)	Field Moisture (%)	Relative Compaction (%)	Material Type	Technician
10/9/23	1	Embankment – Southwest corner – lower pad	8	15ft. below top of grade	82.7	13.5	82.0	6.8	99	Coal Mine Reject Material-Lab 5077-A	J. Vaughn
10/9/23	2	Embankment – South center – lower pad	8	15ft. below top of grade	82.7	13.5	89.0	6.4	100+	Coal Mine Reject Material-Lab 5077-A	J. Vaughn
10/9/23	3	Embankment – North center – lower pad	8	15ft. below top of grade	82.7	13.5	87.0	5.9	100+	Coal Mine Reject Material-Lab 5077-A	J. Vaughn
10/9/23	4	Embankment – upper pad #1, West	8	25ft. below top of grade	82.7	13.5	79.3	5.3	96	Coal Mine Reject Material-Lab 5077-A	J. Vaughn
10/9/23	5	Embankment – upper pad #2, Northeast	8	25ft. below top of grade	82.7	13.5	86.1	7.7	100+	Coal Mine Reject Material-Lab 5077-A	J. Vaughn
10/9/23	6	Embankment – upper pad #3, Southeast	8	25ft. below top of grade	82.7	13.5	83.6	7.1	100+	Coal Mine Reject Material-Lab 5077-A	J. Vaughn

THE CHARACTERISTICS REPORTED ABOVE ARE ONLY APPROPRIATE FOR THE ELEVATIONS AND LOCATIONS TESTED DURING OUR FIELD WORK.