

Table 2-4 — Forecasted 2025 – 2036 Center Mine Ultimate Coal Analyses (As-Received)

Fuel Parameter	Units	Average	Minimum	Maximum
Mercury Content	ppm	0.091	0.053	0.184
Higher Heating Value (HHV)	Btu/lb	6,625	6,489	6,739
Estimated Hg Emission	lb/TBtu	8.41	4.79	17.42

- Industry experience has shown that lignite coal deposits vary significantly in quality, including fuel combustion performance, mineral content, and Hg content, resulting in a coal that can change on a day-to-day basis depending on the coal seam being mined at the time. This variability was demonstrated by the range of coal analyses from MRY Unit 1 recent short-term testing in 2024 (average = 10.1 lb/TBtu, with individual results ranging from 4.9 – 18.6 lb/TBtu over the course of five (5) days of testing). Individual coal samples and how they varied across coal feeders, per day are shown in following table.

Table 2-5 — MRY Unit 1 Coal Sampling Analysis

Date	Sample	Coal Hg Inlet (lb/TBtu)				
		Feeder #1	Feeder #3	Feeder #4	Feeder #5	Feeder #7
19-Mar-24	#1@ 0730 hrs	14.5	13.0	-	-	-
	#2@ 1600 hrs	-	-	11.1	8.2	8.0
20-Mar-24	#3@ 0100 hrs	12.5	10.5	-	-	-
20-Mar-24	#1@ 0730 hrs	6.2	7.9	-	-	-
	#2@ 1600 hrs	-	-	7.2	10.1	18.5
21-Mar-24	#3@ 0100 hrs	10.9	8.1	-	-	-
21-Mar-24	#1@ 0730 hrs	14.1	7.9	-	-	-
	#2@ 1600 hrs	-	-	18.6	4.9	7.1
22-Mar-24	#3@ 0100 hrs	7.2	7.1	-	-	-
22-Mar-24	#1@ 0700 hrs	10.4	13.4	-	-	-
	#2@ 1600 hrs	-	-	6.9	11.0	11.4
23-Mar-24	#3@ 0100 hrs	9.2	7.8	-	-	-
28-Mar-24	#1@ 1030 hrs	10.2	8.3	-	-	-
	#2@ 1500 hrs	-	-	14.9	11.9	9.5
1-Apr-24	#1@ 0930 hrs	16.3	8.0	-	-	-
	#2@ 1300 hrs	-	-	6.0	12.1	12.3
	#3@ 1500 hrs	10.2	6.9	-	-	-