

**APPENDIX I**  
**Active and Abandoned Mines within 0.25 Mile of the Leach XPress Project**



**APPENDIX I**  
**Active and Abandoned Mines within 0.25 mile of the LX and RXE Projects**

Approximate Milepost		Distance and Direction from Project (miles)	Crossing Length (miles)	Elevation (feet)	Status	Type	Mine Name	Operator Name
Begin MP	End MP							
<b>LEX</b>								
<b>Marshall County, WV</b>								
1.8	2.1	N/A <sup>a</sup>	0.8	Unknown	Active (scheduled for completion December 2015)	Longwall, coal	Shoemaker	Murray Energy, Co.
2.1	2.4	N/A <sup>a</sup>	0.8	Unknown	Active (scheduled for completion September 2016)	Longwall, coal	Shoemaker	Murray Energy, Co.
2.4	2.7	N/A <sup>a</sup>	0.8	Unknown	Future (Sep. 2016– Sep. 2017)	Longwall, coal	Shoemaker	Murray Energy, Co.
3.1	3.4	N/A <sup>a</sup>	4.0	Unknown	Inactive (completed Aug. 2014)	Longwall, coal	Bailey	Consolidation Coal, Co.
3.4	3.8	N/A <sup>a</sup>	4.0	Unknown	Inactive (completed April 2015)	Longwall, coal	Bailey	Consolidation Coal, Co.
3.8	4.2	N/A <sup>a</sup>	4.0	Unknown	Active (scheduled for completion Feb. 2016)	Longwall, coal	Bailey	Consolidation Coal, Co.
4.2	4.5	N/A <sup>a</sup>	4.0	Unknown	Future (March 2016 – Jan. 2017)	Longwall, coal	Bailey	Consolidation Coal, Co.
4.5	4.8	N/A <sup>a</sup>	4.0	Unknown	Future (Feb. 2017 – Jan. 2018)	Longwall, coal	Bailey	Consolidation Coal, Co.
4.8	5.3	N/A <sup>a</sup>	4.0	Unknown	Future (Jan. 2018 – Dec. 2018)	Longwall, coal	Bailey	Consolidation Coal, Co.
5.4	5.7	N/A <sup>a</sup>	4.0	Unknown	Future (Dec. 2018 – Nov. 2019)	Longwall, coal	Bailey	Consolidation Coal, Co.
5.7	6.0	N/A <sup>a</sup>	4.0	Unknown	Future (Nov. 2019 – Dec. 2020)	Longwall, coal	Bailey	Consolidation Coal, Co.
6.0	6.4	N/A <sup>a</sup>	4.0	Unknown	Future (Dec. 2020 – Nov. 2021)	Longwall, coal	Bailey	Consolidation Coal, Co.
6.4	6.7	N/A <sup>a</sup>	4.0	Unknown	Future (Nov. 2021 – Dec. 2022)	Longwall, coal	Bailey	Consolidation Coal, Co.
6.7	7.1	N/A <sup>a</sup>	4.0	Unknown	Future (Dec. 2022 – Nov. 2023)	Longwall, coal	Bailey	Consolidation Coal, Co.
7.2	7.5, RR-1	N/A <sup>a</sup>	4.0	Unknown	Future (Nov. 2023 – Dec. 2025)	Longwall, coal	Bailey	Consolidation Coal, Co.
9.6	9.9	N/A <sup>a</sup>	1.9	Unknown	Inactive	Longwall, coal	McElroy	Murray Energy, Co.
9.8	10.2	N/A <sup>a</sup>	1.9	Unknown	Future (January 2017- June 2017)	Longwall, coal	McElroy	Murray Energy, Co.
10.3	10.7	N/A <sup>a</sup>	1.9	Unknown	Unknown	Longwall, coal	McElroy	Murray Energy, Co.
10.9	11.7	N/A <sup>a</sup>	1.9	Unknown	Unknown	Longwall, coal	McElroy	Murray Energy, Co.
<b>Monroe County, OH</b>								
26.3, RR-5	33.7	N/A <sup>a</sup>	7.4	Unknown	Abandoned	Underground, coal	Marcoll	Quarto Mining, Co.
33.9	33.9	0.1 S	N/A <sup>b</sup>	Unknown	Active	Surface, coal	Unknown	Consolidation Coal, Co.

**APPENDIX I**  
**Active and Abandoned Mines within 0.25 mile of the LX and RXE Projects**

Approximate Milepost		Distance and Direction from Project (miles)	Crossing Length (miles)	Elevation (feet)	Status	Type	Mine Name	Operator Name
Begin MP	End MP							
<b>Noble County, OH</b>								
54.70 RR-7	55.09 RR-7	N/A <sup>a</sup>	0.39	Unknown	Released for reclamation	Surface, coal	Unknown	B&N Coal, Inc.
55.2	55.2	0.03 S	N/A <sup>b</sup>	Unknown	Inactive	Surface, coal	Unknown	Orange Coal, Co.
55.25 RR-7	55.39 RR-7	N/A <sup>a</sup>	0.14	Unknown	Inactive	Surface, Coal	Unknown	Orange Coal, Co
55.9	55.9	0.1 SW	N/A <sup>b</sup>	1,046	Abandoned (1932)	Surface, coal	Horton	Eugene Horton
56.2	56.5	N/A <sup>a</sup>	1.8	Unknown	Released for reclamation	Surface, coal	Unknown	B&N Coal, Inc.
56.6	58.0	N/A <sup>a</sup>	1.8	Unknown	Released for reclamation	Surface, coal	Unknown	B&N Coal, Inc.
56.1	56.1	0.3 SW	N/A <sup>b</sup>	1,039	Abandoned (1953)	Surface, coal	Stephens	W.C. Stephens
59.4	59.4	0.3 N	N/A <sup>b</sup>	Unknown	Abandoned	Surface, coal	Unknown	Orange Coal, Co.
66.1	66.1	N/A <sup>a</sup>	2.1	557	Abandoned (1939)	Underground, coal	Caldwell	Cambridge Collieries, Co.
66.3	66.5	N/A <sup>a</sup>	2.1	557	Abandoned (1939)	Underground, coal	Caldwell	Cambridge Collieries, Co.
66.8	66.9	N/A <sup>a</sup>	2.1	557	Abandoned (1939)	Underground, coal	Caldwell	Cambridge Collieries, Co.
67.0	68.7	N/A <sup>a</sup>	2.1	557	Abandoned (1939)	Underground, coal	Caldwell	Cambridge Collieries, Co.
68.8	68.9	N/A <sup>a</sup>	2.1	557	Abandoned (1939)	Underground, coal	Caldwell	Cambridge Collieries, Co.
68.9	69.2	N/A <sup>a</sup>	0.3	570	Abandoned (1936)	Underground, coal	Imperial No. 1	New Forsythe Coal, Co.
70.1	70.2	N/A <sup>a</sup>	0.1	Unknown	Inactive	Surface, coal	Unknown	Knowlton Industries
70.3	70.3	N/A <sup>a</sup>	0.1	Unknown	Inactive	Surface, coal	Unknown	Knowlton Industries
71.7	71.7	0.1 S	N/A <sup>b</sup>	Unknown	Abandoned	Surface, coal	Unknown	Central Ohio Coal, Co.
71.8	71.8	N/A <sup>a</sup>	0.1	Unknown	Abandoned	Surface, coal	Unknown	Central Ohio Coal, Co.
71.8	71.9	N/A <sup>a</sup>	0.1	Unknown	Abandoned	Surface, coal	Unknown	Central Ohio Coal, Co.
71.8	71.8	N/A <sup>a</sup>	0.1	Unknown	Abandoned	Surface, coal	Unknown	Ohio Power, Co.
72.1	72.1	N/A <sup>a</sup>	0.1	Unknown	Abandoned	Surface, coal	Unknown	Ohio Power, Co.
72.1	72.1	0.3 SE	N/A <sup>b</sup>	950	Abandoned (1932)	Surface, coal	Hedge	R.T Doyenbarger.
72.3	75.2	N/A <sup>a</sup>	6.2	Unknown	Released for reclamation	Surface, coal	Unknown	Central Ohio Coal, Co.
75.3	78.6 <sup>c</sup>	N/A <sup>a</sup>	6.2	Unknown	Released for reclamation	Surface, coal	Unknown	Central Ohio Coal, Co.
<b>Muskingum County, OH</b>								
84.3	84.7	N/A <sup>a</sup>	0.9	Unknown	Abandoned	Surface, coal	Unknown	Ohio Power, Co.

**APPENDIX I**  
**Active and Abandoned Mines within 0.25 mile of the LX and RXE Projects**

Approximate Milepost		Distance and Direction from Project (miles)	Crossing Length (miles)	Elevation (feet)	Status	Type	Mine Name	Operator Name
Begin MP	End MP							
84.7	85.2 <sup>d</sup>	N/A <sup>a</sup>	0.9	Unknown	Abandoned	Surface, coal	Unknown	Ohio Power, Co.
<b>Morgan County, OH</b>								
89.7	90.0	N/A <sup>a</sup>	0.28	733	Future <sup>e</sup>	Surface, gravel	Unknown	Muskingum River Gravel Company
<b>Perry County, OH</b>								
98.0	100.1	N/A <sup>a</sup>	2.1	763	Abandoned (1955)	Underground, coal	Misco	Muskingum Coal, Co.
98.3	99.9	N/A <sup>a</sup>	1.7	Unknown	Future <sup>e</sup>	Surface, limestone	Unknown	Lin Engineering
100.1	100.1	0.2 N	N/A <sup>b</sup>	Unknown	Released for reclamation	Surface, coal	Unknown	Crooksville Coal, Co.
100.3	100.5	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
100.5	100.7	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
100.7	101.9	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
101.1	101.4	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
101.5	101.7	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
101.8	102.0	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
102.2	102.4	N/A <sup>a</sup>	2.4	802	Abandoned (1985)	Underground, coal	Sunnyhill No. 9 North	Peabody Coal, Co.
102.5	102.7	N/A <sup>a</sup>	0.2	803	Abandoned (1956)	Underground, coal	Alexander No. 2	Alex Wilson Coal, Co.
103.1	103.1	0.1 S	N/A <sup>b</sup>	809	Abandoned (1945)	Underground, coal	Allen	Allen Bros. Coal, Co.
103.2	103.2	0.1 N	N/A <sup>b</sup>	804	Abandoned (1944)	Underground, coal	Fred Price	Fred Price Coal, Co.
103.3	104.0	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 7	Peabody Coal, Co.
104.1	104.4	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 8	Peabody Coal, Co.
104.4	104.5	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 9	Peabody Coal, Co.
104.6	104.6	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 10	Peabody Coal, Co.
104.9	105.4	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 11	Peabody Coal, Co.
105.4	106.5	N/A <sup>a</sup>	2.9	886	Abandoned (1967)	Underground, coal	Sunnyhill No. 12	Peabody Coal, Co.
104.3	104.3	0.2 N	N/A <sup>b</sup>	818	Abandoned (1937)	Underground, coal	Buchanan	Buchanan Coal, Co.
104.4	104.4	0.1 N	N/A <sup>b</sup>	816	Abandoned (1942)	Underground, coal	Bear Run	Bear Run Coal, Co.
105.4	106.5	N/A <sup>a</sup>	1.1	Unknown	Active	Surface, coal	Unknown	Heritage Coal Co.

**APPENDIX I**  
**Active and Abandoned Mines within 0.25 mile of the LX and RXE Projects**

Approximate Milepost		Distance and Direction from Project (miles)	Crossing Length (miles)	Elevation (feet)	Status	Type	Mine Name	Operator Name
Begin MP	End MP							
106.8	107.3	N/A <sup>a</sup>	0.5	Unknown	Abandoned (1966)	Underground, coal	Sunnyhill No. 1	Peabody Coal, Co.
107.4	107.4	0.2 S	N/A <sup>b</sup>	Unknown	Abandoned (1923)	Underground, coal	Caledonian	Malone Bearls Coal, Co.
107.4	109.0	N/A <sup>a</sup>	1.9	956	Abandoned (1969)	Underground, coal	Sunnyhill No. 2	Peabody Coal, Co.
109.1	109.3	N/A <sup>a</sup>	1.9	956	Abandoned (1969)	Underground, coal	Sunnyhill No. 3	Peabody Coal, Co.
109.0	109.0	0.2 S	N/A <sup>b</sup>	940	Abandoned (1971)	Underground, coal	Sunnyhill No. 3	Peabody Coal, Co.
109.3	109.4	N/A <sup>a</sup>	0.5	Unknown	Released for reclamation	Surface, coal	Unknown	Buckingham Coal, Co.
109.5	109.9	N/A <sup>a</sup>	1.5	Unknown	Released for reclamation	Surface, coal	Unknown	Buckingham Coal, Co.
109.9	110.1	N/A <sup>a</sup>	0.2	Unknown	Inactive	Surface, coal	Unknown	Lominco, Inc.
110.1	110.1	0.2 N	N/A <sup>b</sup>	Unknown	Inactive	Surface, coal	Unknown	Star Mining Co. Inc.
111.7	111.7	0.2 S	N/A <sup>b</sup>	Unknown	Inactive	Surface, coal	Unknown	Star Mining Co. Inc.
112.9	113.3	N/A <sup>a</sup>	0.4	Unknown	Inactive	Surface, coal	Unknown	Star Mining Co. Inc.
112.7	112.7	<0.1 S	N/A <sup>b</sup>	Unknown	Abandoned	Surface, coal	Unknown	Sidwell Brothers
113.1	113.1	0.1 N	N/A <sup>b</sup>	987	Abandoned (1932)	Underground, coal	Studer	C.E. Studer
113.2	113.2	0.1 N	N/A <sup>b</sup>	991	Abandoned (1933)	Underground, coal	Sweeney	William M. Sweeney
<b>R-801 Loop</b>								
<b>Vinton County, OH</b>								
23.2	23.2	0.2 W	N/A <sup>b</sup>	Unknown	Inactive	Surface, coal	Unknown	Lawrence G. Daft
26.3	26.3	N/A <sup>a</sup>	0.0	Unknown	Released for reclamation	Surface, coal	Unknown	Elk Coal, Inc.
26.3	26.3	0.1 W	N/A <sup>b</sup>	Unknown	Released for reclamation	Abandoned (1986)	Unknown	Elk Coal, Inc.

Source: WVDEP, 2014, 2011; PASDA, 2015c; ODNR 2014c.

N/A – not applicable

RR – Reroute adopted into the route during Columbia Gas' March 2016 supplemental filing

<sup>a</sup> Mine is crossed by the proposed Project.

<sup>b</sup> Mine is not directly crossed by the project, but occurs within 0.25 mile of the project area.

<sup>c</sup> Mine is crossed in both Noble and Muskingum Counties, Ohio.

<sup>d</sup> Mine is crossed in both Muskingum and Morgan Counties, Ohio

<sup>e</sup> Project crosses area slated for future mining activities; however, Columbia is in negotiations with the associated mining company to purchase mineral rights along the proposed pipeline.