

E-TEMPLATE UNDERGROUND MINES 08/21

Where proposed surface mining activities will occur within 500 feet of any point of either an active or abandoned underground mine provide the following:

- a. A description of the nature, timing, and sequence of the operation in relation to the underground mine.

The Mine 78 Surface No. 3 Mine will have multiple seams with activities within 500 feet of the active Mine 78 (Upper Kittanning Seam) underground mine and within 500 feet of the abandoned Yost (Upper Freeport Seam) underground mine. A breakdown of activities by seam is as follows;

Middle Kittanning Coal Seam; auger mining will be conducted within 500 feet of an abandoned portion of the active Mine 78 site and within 500 feet of and beneath portions of the abandoned Yost Mine. The overburden interval between that Middle Kittanning Seam and the Upper Kittanning ranges from 40-70 feet.

Upper Kittanning Coal Seam; strip mining will be conducted approximately 200 feet from an abandoned portion of the active Mine 78 site. It is anticipated that strip mining will encounter workings of the abandoned Yost Mine.

Lower Freeport Coal Seam; auger mining will be conducted within 500 feet of an abandoned portion of the active Mine 78 site. The overburden interval between the Lower Freeport Seam and the Upper Kittanning Seam ranges from 40-70 feet.

Upper Freeport Coal Seam; auger mining will be conducted within 500 feet of an active portion of the active Mine 78 site. The overburden interval between the Upper Freeport Seam and the Upper Kittanning Seam ranges from 80-100 feet.

- b. Identification of the location of each underground mine opening and the manner in which the opening will be sealed or otherwise managed including appropriate cross-sections and design specifications for all mine seals.

Only the Upper Kittanning Seam is anticipated to encounter any existing mine workings. Any workings which could be encountered are down-dip of the proposed mining. Any workings encountered will be closed by the end of shift.

- c. A demonstration of the effect of the proposed activities will have upon improved resource recovery, abatement of pollution or the elimination of hazards to the health and safety of the public.

Based on site review there are no pre-existing pollution sources and/or hazards to the health and safety of the public. Although portions of the proposed site have previously been affected by mining operations there are no known open mine entries or exposed highwalls.