

Response to EPD Comments

Twin Pines Minerals, LLC (TPM) has reviewed the Twin Pines Permit Coordination comments provided by the EPD, dated October 20, 2021, and offers the following responses. Each comment is presented below, followed by TPM's response.

1. Sheet 3: Mining Plan Sheet and Sheet 6: Erosion & Sediment Control Plan

EPD Comment - *Please provide the design characteristics for all ponds; including the storage calculations and cross sections (liners, exterior and interior slopes, elevations, emergency overflow and pond water elevations).*

Response: See Sheets 6 and 7 of the revised MLUP.

EPD Comment - *Describe how water will enter and discharge from the ponds.*

Response: See Sheets 6 and 7 of the revised MLUP.

EPD Comment - *Specify on the sheet(s) if any storm water will be discharged from the mine or if it will remain within the permit boundary.*

Response: Stormwater drainage outfalls 1 through 8 along the permit boundary are depicted on Sheet 8

EPD Comment - *Describe how exposed surfaces will be stabilized with temporary vegetation and specify the type of vegetation and when it will be planted.*

Response: Sheet 9 – Erosion Control Notes – Temporary Vegetation section discusses how disturbed areas will be stabilized using temporary vegetation. Temporary vegetation species will be planted in accordance with Table 6-4.1 – Temporary Cover or Companion Cover Crops, in the Manual for Sediment and Erosion Control in Georgia, 2016. Sheet 10 has been added to include Table 6-4.1 and Figure 6-4.1, which depicts Major Land Resource Areas in Georgia.

2. Sheet 8: Post Mining Reclamation Plan (1)

Letter H under Performance Criteria for Reclamation states “No ponds or lakes are proposed as part of the reclamation plan”. Please provide the specifications for the closure of all ponds listed on site as well as the water in the ponds.

Response: Sheet 11 – Added Letter I to Performance Criteria for Reclamation section to detail pond closure specifications