

APPENDIX I

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example, a range from 6 degrees C to 14.7 degrees C in the October data set. Based on the available data, it is difficult to identify any significant trends.

Although slight positive slopes (indicating rising temperatures) in some of the linear regression lines are evident (as well as some slight negative slopes), they occur at both upstream and downstream locations and are, as mentioned, minor. Based on the data collected over the past 16 years, it doesn't appear that landfill activities have impacted the temperature regime of Hotel Creek.

3.5.4.2 Significant Environmental Impacts

Existing surface water runoff patterns will be altered by the soil borrow operations. Both the West and East Areas will contain sedimentation basins consisting of a forebay and permanent pool. These sedimentation basins are designed to remove sediment from water that collects as the remaining portion of the soil borrow area is developed. Surface runoff from excavation areas will be directed into the forebay and then into the permanent pool for eventual discharge into the NYSDEC regulated wetlands. Since the wetland areas form an important part of the Hotel Creek watershed, features (described in Section 3.3.2) of the stormwater management system which protect the quality and quantity of water flowing from the borrow areas to the wetlands, will in turn be protective of the water quality and quantity in Hotel Creek.

3.5.4.3 Environmental Impact Mitigation

Impacts to the section of Hotel Creek in the vicinity of the project areas will not be significant, and therefore need not be mitigated. Stream temperature evaluations indicate that Hotel Creek have not been significantly impacted during approximately 17 years of landfill operation. The project will incorporate stormwater management features, which will protect both the water quality and water quantity, so that adjacent wetlands and streams will not be adversely impacted. Continued implementation of operational practices to prevent excessive release of sediment and other contaminants to the stream will mitigate potential impacts. In addition, surface water monitoring of Hotel Creek (and a tributary) will continue, as specified in the existing "Environmental Monitoring Plan" for the Mill Seat Landfill.