**Phase II Inspection and Investigation Outline**

|  |  |
| --- | --- |
| **I.** | **Review of existing information………………………………………….** |
| **II.** | **Updated Detailed Phase I surface inspection in compliance with Office of Dam Safety Phase I Inspection format………………………………………………** |
| **III.** | **Subsurface Investigations – borings, sampling, analysis……………....** |
| **IV.** | **Topographic Survey, wetlands flagging/delineation, of sufficient detail to support not only the Phase II effort, but sufficient for the future implementation of design phase……………………………………………………..** |
| **V.** | **Stability and seepage analyses – Seismic and static stability evaluation of dam (upstream and downstream slopes, internal materials), seepage potential, internal erosion potential, piping potential……………….** |
| **VI.** | **Hydrologic/Hydraulic Analysis and spillway inadequacy resolution………………………………………….** |
| **VII.** | **Alternatives analysis and presentation of conceptual designs and associated estimated design, permitting and construction costs to bring the dam structure into compliance with Chapter 253 Section 44-48 and 302 CMR 10.00 Dam Safety Regulations by either executing selected repair plan or breach plan…………………..** |
| **VIII.** | **Final Report Presented to the Office of Dam Safety………………………………………………………………** |