Notes to User:
1. The IDF with and without breach modeling runs assumed the flow in streams below the dam to be at the 100-yr flood flow conditions as shown in the FEMA Flood Insurance Study. Refer to the report entitled "Dam Breach Analysis, Belews Creek Steam Station" dated December 31, 2012 by ESP Associates, P.A. for additional details.
2. The Sunny Day breach modeling run assumed the flow in streams below the dam to be at normal flow conditions. Refer to the report entitled "Dam Breach Analysis, Belews Creek Steam Station" dated December 31, 2012 by ESP Associates, P.A. for additional details.
3. Potentially impacted buildings were identified based on intersection of either of the breach inundation limits with structures identified from the aerial imagery. Identification of potentially impacted buildings is dependent only on the location of the structures relative to the breach inundation limits and does not account for specific structure information such as first floor elevation that may affect whether there is an impact.
4. Because of the method, procedures, and assumptions used to develop the flooded areas, the limits of flooding shown and floodwave travel times are approximate and should be used only as a guideline for planning purposes. Actual areas inundated will depend on actual failure or flooding conditions and may differ from areas shown on the map.
5. The limits of flooding shown on this map are based on a study entitled "Dam Breach Analysis, Belews Creek Steam Station" dated December 31, 2012 by ESP Associates, P.A. This map was produced in June, 2016 from the 2014 ESP study.
Notes to User:
1. The 3/4 Probable Maximum Flood (PMF) on the ash pond watershed with and without breach modeling assumes Lake Norman is at the 100-yr flood elevation as shown on the FEMA Flood Insurance Rate Map. Refer to the report entitled "Dam Breach Analysis, Marshall Steam Station" dated October 10, 2012 by ESP Associates, P.A. for additional details.
2. The Sunny Day breach modeling run assumes Lake Norman is at the average target normal water surface elevation of 758.0 (NAVD 88). Refer to the report entitled "Dam Breach Analysis, Marshall Steam Station" dated October 10, 2012 by ESP Associates, P.A. for additional details.
3. Potentially impacted buildings were identified based on intersection of either of the breach inundation limits with structures identified from the aerial imagery. Identification of potentially impacted buildings is dependent only on the location of the structures relative to the breach inundation limits and does not account for specific structure information such as first floor elevation that may affect whether there is an impact.
4. Because of the method, procedures, and assumptions used to develop the flooded areas, the limits of flooding shown and floodwave travel times are approximate and should be used only as a guideline for planning purposes. Actual areas inundated will depend on actual failure or flooding conditions and may differ from areas shown on the map.
5. The limits of flooding shown on this map are based on a study entitled "Dam Breach Analysis, Marshall Steam Station" dated October 10, 2012 by ESP Associates, P.A. This map was produced in July, 2016 from the 2012 ESP study.