

week 16 were near-neutral, acid-generating weathering products accumulated in the columns for Houchin Creek Shale and possibly, for Lower Kittanning Shale (Figure 5.32B).

A



B

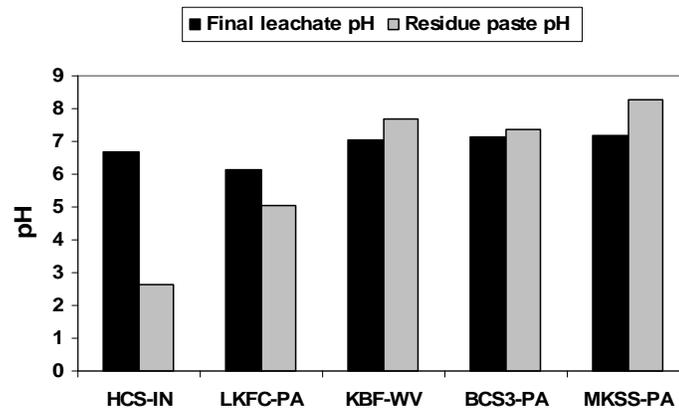


Figure 5.32. Leach columns were opened several months after the 16-week leach study was completed. A, Photographs of one of the Houchin Creek Shale columns. Rock chips from the leach column residue (LCR) show iron oxide coatings and precipitates that were not present in the black starting material (RAW). B, Comparison of final column effluent pH and paste pH on column residue material. Acid-generating weathering products accumulated in the HCS-IN column after the experiment ended.