East Branch Phase I Project is located in Section 14 and 15 of Starr Township in Hocking county and lies within the 12-digit HUC unit # 050901010201. The East Branch Phase I project was originally completed in December of 2007. Several of the beds clogged within a few months of project completion. Most of the valves leaked or did not work correctly (figure 1 and 2 – year 2011). By 2011, the clogging had increased and the alkalinity being produced had decreased (slag was exhausted). Therefore, new Slag was installed at sites 1 (368 tons), 3 (240 tons) , 5 (480 Tons), 7 (495 tons), and 8 (1140 tons). Under drain piping was extended (linear footage listed below):

Site 1 – 240 lf of 4” underdrain
Site 3 – 250 lf of 4” underdrain
Site 5 – 265 lf of 4” underdrain
Site 7 – 225 lf of 4” underdrain
Site 8 – 600 lf of 4” underdrain

Valves were replaced at all sites except Site 8. Site 6 was abandoned. Design were completed in-house by ODNR-DMRM. Maintenance construction started 11-3-11 and was complete 5-17-2012. Stimmel Construction completed the maintenance construction, $240,378. Figure 1 and 2 show the yearly acid and metal load reductions. Year 2011 data shows acid reduction at 53 % with no metals reduction. Year 2012 data shows the initial results of the maintenance project with 100% acid reduction and 52%
Figure 1. Yearly acid load reductions

East Branch Phase I site EB210
Yearly Acid Load Reduction
Pre-treatment acid load 1175 lbs/day

Figure 2. Yearly metal load reductions

East Branch Phase I site EB210
Yearly Metal Load Reduction
Pre-treatment metal load 186 lbs/day