

## CHAPTER 4: CUMULATIVE IMPACTS

Cumulative impacts include the incremental impacts of an action when added to other past, present, and reasonably foreseeable future actions. The cumulative impacts associated with the Proposed Action at ANL-W are due to the new construction for modification of the ZPPR complex, primarily Building 792. The HS/RPS operations themselves essentially replace operations that were discontinued in the past few years. The utilities, workforce, and emissions, would all be essentially the same. The impacts associated with land use, visual resources, air quality, noise, water resources, geology and soils, socioeconomics, environmental justice, and waste management would not change to any substantial degree.

Approximately 1,700 m<sup>2</sup> (18,000 ft<sup>2</sup>) of the area surrounding the existing Building 792 could be disturbed as a result of construction activities. The soils in the area are already disturbed by past construction and operational activities. All construction would be performed according to best management practices for soil erosion. The impacts would be minimal.

The result of relocating the operations from Mound would result in the environmentally beneficial impacts of discontinuing the current impacts from operations in the city of Miamisburg. The utility usage would go down, but would not be reduced to zero as maintenance and continued occupation of some work areas would continue. ~~Some of the~~ workforce ~~is anticipated to~~ be absorbed into the Mound environmental restoration effort.