

Basis

10 CFR 51.45, "Environmental report", outlines the information that should be provided by the licensee for the NRC staff to assess the environmental impacts of the proposed action and prepare an environmental assessment. This information is needed to determine impacts on ecological species from the February 2023 License Amendment Request (ML23058A064).

RAI-1 PSDAR Rev 5 Section 6.1.7 "Threatened and Endangered Species" states "No bog turtles, Northeastern bulrushes, Northern long-eared bats, dwarf wedgemussels, Indiana bats, or Atlantic sturgeons have been observed on or immediately adjacent to TMI." For each of these species, please provide a basis for this statement. Indicate whether ecological studies or field surveys have specifically been conducted to determine the presence/absence of these species. Provide copies of any studies or surveys relied upon in answering this question.

Make a determination of whether the proposed action would have "no effect", "may affect, but is not likely to adversely affect", or "may affect and is likely to adversely affect" for the bog turtle, dwarf wedgemussel, and Atlantic sturgeon. See U.S. Fish and Wildlife Service (FWS) guidance at <https://www.fws.gov/media/endangered-species-consultation-handbook>

RAI-2 The FWS Information for Planning and Consultation (IPaC) tool identifies the following species as potentially occurring in the action area for this proposed action: Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), tricolored bat, (*Perimyotis subflavus*), green floater (*Lasmigona subviridis*), monarch butterfly (*Danaus plexippus*), and northeastern bulrush (*Scirpus ancistrochaetus*). Is TMI-2 *Solutions* aware of the occurrence of these species on or near the TMI-2 site, and if so, when have these species been observed?

Analyze the effects of decommissioning activities on each of the IPaC species listed. Make a determination of whether the proposed action would have "no effect", "may affect, but is not likely to adversely affect", or "may affect and is likely to adversely affect" each species.

RAI-3 PSDAR Rev 5 Section 6.3 indicates that TMI-2 *Solutions* would continue to comply with applicable regulations and permit conditions during decommissioning activities to limit environmental impacts. Please summarize procedures and best management practices that will be followed during removal of buildings and structures related to limiting impacts to terrestrial and aquatic species as outlined in the applicable regulations and permit conditions.