

**Appendix G – Air Quality Analysis  
(Executive Summary)**

## Executive Summary

The Air Quality Conformity Determination for the 2035 Transportation Plan Update (2035 TP) was performed in order to meet federal regulations from the Clean Air Act Amendments of 1990 and the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). As a maintenance area for ozone, the Michiana Area Council of Governments (MACOG) must demonstrate that its transportation plans will conform to air quality emission budgets for the ozone precursor pollutants of volatile organic compounds (VOC) and nitrogen oxides (NOx) that are established by the State Implementation Plan (SIP).

Air quality conformity for the 2035 TP was determined based on the analysis included in this report. As required, an emissions analysis was performed for each of the study years of this plan and it was determined that the emissions of VOCs and NOx would not exceed budgets established by the SIP, if the transportation projects are implemented as proposed by the TP. Thus, the MACOG 2035 Transportation Plan Update conforms to the Clean Air Act and the State Implementation Plan (SIP).

**Table E.1: State Implementation Plan Budgets (tons per day)**

Year	VOC (HC)	NOx
2006	20.68	27.24
2020	6.64	7.73

**Table E.2: Emissions Analysis Summary and Budget Comparison (tons per day)**

Year	Total VOC Emissions	VOC Passed By	Total NOx Emissions	NOx Passed By
2009	10.78	9.90	18.17	9.07
2015	6.89	13.79	9.73	17.51
2020	5.59	1.05	6.59	1.14
2025	5.21	1.43	5.31	2.42
2030	5.25	1.39	4.85	2.88
2035	5.39	1.25	4.81	2.92

The conformity determination was coordinated with stakeholder and regulatory agencies through an interagency consultation process to formally deliberate any issues. Copies of the various meeting transcripts are part of the 2035 Transportation Plan Update when available.

The complete project list for the transportation plan was distributed to the Interagency Consultation Group (ICG) along with a short description of the identified projects that were being updated at the start of the update process. A completely updated project list was re-sent for review by the members of the ICG at the start of the public comment period along with the 2035 Transportation Plan Update and Air Quality Conformity documentation.

In an effort to be proactive in working with our partners, the Indiana MPO Council has also scheduled occasional Air Quality Conformity meetings. IDEM, FHWA, INDOT and USEPA have been invited to attend the meetings, to discuss timing, modeling parameters, and related conformity issues. IDEM, INDOT and FHWA have been in regular attendance. The Indiana Traffic Modelers group (this includes IDEM, INDOT and FHWA representatives) also meets at various times during the year to provide an open forum to discuss the modeling and conformity process, modeling parameters, and as a mechanism for assuring that the partners have more than adequate opportunity to participate in the travel demand forecasting process.