

## Air Quality Analysis - Reviewer Checklist

Project name:

Date reviewed:

Reviewer name:

Date received:

Air quality analysis is required for compliance with the Federal Air Quality Conformity Rules (WAC 173-420 and 40 CFR part 93). This checklist is a general reference for preparing air quality analysis that will also be used by WSDOT for review and approval related documentation. Review will be streamlined for documents organized according to sections below. Some elements below may vary by project and deviations should be described in the document or in accompanying written documentation to the WSDOT reviewer. The guidelines are not all-inclusive and the checklist may be modified as appropriate.

### 1 Summary

	Yes	No	Missing (describe)
Brief project description, purpose, and location			
Location relative to nonattainment/maintenance area(s)			
Justification for analysis, e.g., applicable laws and regulations			
Clarify the models used			
Project conformity status			
Brief comparison of results for all alternatives, including No Build			
Describe any coordination with federal, state, and local agencies			
Written in Plain Talk format			

### 2 Project Information for All Alternatives

	Yes	No	Missing (describe)
Official project description			
Vicinity map(s) showing alternative alignments			

Map and description of existing and proposed ROW and nearby areas accessible to general public			
Traffic data: volumes, speeds, delay, vehicle mix			
Project area meteorology			

**3 Air Quality Background**

	Yes	No	Missing (describe)
Relationship of project area to nonattainment/maintenance areas			
Relevant state and federal standards			
Brief description on health effects of relevant pollutants, including MSATs			
Relationship to regional transportation plan			
Relationship of project to State Implementation Plan (SIP)			
Relationship of project to Transportation Improvement Program (TIP), including project number/reference			
Justification for why air quality analysis is required, including relevant regulations			

**4 Project Data and Assumptions**

	Yes	No	Missing (describe)
Description of existing air quality			
Map of receptor locations and description of receptor selection			
Justification for locations analyzed - <i>model all existing and project-affected LOS D (or worse) intersections, or - worst-performing intersections based on project-affected volumes or LOS when no D or worse</i>			

Confirmation of models used, including version numbers			
Description of modeling parameters:			
persistence factor			
time periods			
background concentrations			
local meteorology			
surface roughness			
source of emissions factors (if not developed specifically for project)			

**5 Air Quality Modeling Results and Identification of Potential Impacts**

	Yes	No	Missing (describe)
Relationship of project to region-level emissions Table showing modeled results for existing year, year of opening, and design year (opening +10 to 20 years) for all alternatives  Discussion of modeling results, "categorical findings", or qualitative analysis, where applicable  Map and description of impacted receptors Description of air quality consultation with federal, state, and local agencies If impacts expected, discussion on coordination with interagency consultation partners			

**6 Recommended Air Quality Mitigation**

	Yes	No	Missing (describe)
If impacts expected, description of mitigation and related commitments Table of modeled results with mitigation			

**7 Project Conformity Statement**

<i>Clarification that requirements of 40 CFR 93.109 were met (checklist ok)</i>	Yes	No	Missing (describe)
Latest planning assumptions: current plan Latest emission and dispersion models Interagency consultation with relevant agencies Inclusion in conforming transportation plan and TIP Doesn't contribute to (1) new violation, (2) increase frequency of existing violation, or (3) delay attainment Complies with control measures in SIP Statement describing conformity status			

**8 Temporary Construction Air Quality Effects**

	Yes	No	Missing (describe)
Qualitative description of potential impacts Description of best management practices for fugitive dust control Summary of related agreements with stakeholders, including Clean Air Agencies			

**9 References**

	Yes	No	Missing (describe)
CD Rom with model files, including EPA MOVES and dispersion model output files.			

Last Updated:

March 18, 2013