



Review Standard for a CO TAQA Technical Report

Project Name: <Enter Project Name>

Control Section Job Number (CSJ): <Enter CSJ Number>

Contact Name: <Enter Name of Contact Person>

Date Received: <Enter Date> **Date Reviewed:** <Enter Date> **Reviewer:** <Enter Name>

District: <Enter District> **County:** <Enter County> **Facility:** <Enter Facility>

Project Limits: <Enter Projects Limits>

Project Description: <Describe Project>

SAT=Satisfactory INC=Incomplete MIS=Missing N/A=Not Applicable

Check one box **ONLY**. Answers are **required** for questions that have no N/A box.

Use this review standard (RS) for a CO TAQA technical report. The RS is a tool used to make the preliminary determination concerning whether or not the CO TAQA meets the minimum requirements. Each section of this RS represents a required section of the report. For the purposes of this RS, the Incomplete Box should be selected when either the content present needs additional development to be sufficient or that the information supplied is incorrect or misinterpreted by the preparer of the technical report. Whenever an Incomplete Box is selected, explain why in a comments section.

I. Project Description

Does the CO TAQA technical report include the following components related to the project description?

SAT	INC	MIS	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		A. An identification of the project location
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B. A brief description of the current facility
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C. A brief description of the proposed facility
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		D. An identification of each of the build alternatives modeled
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		E. An identification of the estimated time of completion (ETC) year*
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		F. An identification of the design year** of the project

* *Ensure the date for the entire project is the date the facility will be open to traffic, as described in the environmental review document.*

** *Typically, the design year for CO analyses is either the out-year (last year) of the current Metropolitan Transportation Plan (MTP) or the ETC year + 20 years.*

Comments: <Enter comments here>



II. Background Information

Does the CO TAQA technical report include the following components related to the background information?

- | SAT | INC | MIS | N/A | |
|--------------------------|--------------------------|--------------------------|-----|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | A. A brief explanation of project types that are subject to a CO TAQA |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | B. An identification of why this particular project is subject to a CO TAQA |

Comments: <Enter comments here>

III. Analysis Methodology

Does the CO TAQA technical report include the following components related to analysis methodology?

- | SAT | INC | MIS | N/A | |
|--------------------------|--------------------------|--------------------------|-----|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | A. An explanation of the overall methodology being used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | B. An identification of the specific models used in the analysis |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | C. An identification of the 1-hr and 8-hr CO background concentrations* that were used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | D. An identification of the source** of the traffic data used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | E. A table identifying the specific Annual Average Daily Traffic (AADT) volume and Design Hour Volume (DHV) used for each roadway segment analyzed for both the ETC year and design year |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | F. An identification of the emission rates used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | G. An identification of the source of the emission rates (i.e., emission rate table vs MOVES modeling) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | H. An identification of the atmospheric stability class*** used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | I. An identification of the mixing height*** used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | J. An identification of the wind speed*** used |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | K. An identification of the wind directions*** modeled |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | L. An identification of the projected vehicle speeds in the future years analyzed |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | M. An identification that the input and output files have been submitted to the District for inclusion in the project files to the extent practicable |

* Verify that the background concentrations are consistent with Appendix B of the SOP for Producing a CO TAQA.

** Verify that the traffic data comes from or was otherwise approved by the Transportation Planning and Programming Division (TPP).

*** Verify that these are consistent with a worst case scenario, as identified in Appendix D of the SOP



Comments: <Enter comments here>

IV. Receptor Locations

Does the CO TAQA technical report include the following components related to the receptor locations?

SAT	INC	MIS	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		A. An aerial map showing the receptor locations for each alternative analyzed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B. Project schematics showing the receptor locations for each alternative analyzed and roadway geometry
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C. A table with a description of all of the receptors analyzed for each alternative analyzed (including but not limited to distance from roadway, ROW width, traffic volume, traffic speed, DHV)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		D. An identification of the specific receptors that represent the highest traffic volumes for each alternative analyzed

Comments: <Enter comments here>

V. Analysis Results

Does the CO TAQA technical report include the following components related to the analysis results?

SAT	INC	MIS	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		A. A table identifying the 1-hr and 8-hr CO emissions at each receptor for both the ETC and design year*
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B. An identification of the 1-hr and 8-hr background concentrations for CO and their source
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C. An identification of the applicable 1-hr and 8-hr CO NAAQS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		D. A brief summary of the analysis results in comparison to the applicable CO NAAQS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E. An identification of any required mitigation only if the analysis indicates that the project will exceed the CO NAAQS

* Verify that:

- all of the emission results at each receptor location include the appropriate background concentrations,
- all of the emission results at each receptor location are less than the applicable CO NAAQS after accounting for any proposed mitigation measures, and
- the 1-hr CO emissions were converted to the 8-hr CO emissions appropriately.

Comments: <Enter comments here>



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The following table shows the revision history for this document.

Revision History	
Effective Date Month, Year	Reason for and Description of Change
September 2015	Version 1 was released.