

From: US EPA/OAR/OAQPS

Date: August 30, 2018

Subject: Current Timeline for Activities Needed for Development of EPA Air Pollution Control Cost Manual, 7th Edition

Background: This is an updated version of the timeline for completion of the 7th edition of the EPA Air Pollution Control Cost Manual (henceforth the “Control Cost Manual”). The timeline covers a timespan from the present until September 30, 2022, a change from the previous completion date of January 31, 2022. It begins with the start of outreach efforts to stakeholders in 2014, and includes all milestones (e.g., completed chapters) until the end date. The priority of activity reflects input from our stakeholders. This timeline includes preparation of chapters that are new to the Control Cost Manual – two on combustion controls for NO_x, one for dry sorbent injection (DSI), and one for activated carbon injection (ACI). These new chapters reflect input from EPA and requests from stakeholders on the eventual contents of this updated version of the Control Cost Manual. This timeline reflects recent experience concerning the amount of time needed for the components of the effort for each chapter. This timeline reflects the preparation of the NO_x combustion control chapters beginning in FY2017 and ending in FY2020. Preparation and completion of the DSI and ACI chapters will begin in FY 2020 and end in FY2021. Preparation and completion of the Generic Equipment chapters (hoods, ductwork; permanent total enclosures; and monitors) are now in FY2022. This path of completion will help allow the NO_x combustion control chapters to be available for States to use in State Implementation Plan (SIP) development for compliance with the 2015 ozone National Ambient Air Quality Standard (NAAQS).

Chapters will be made available for public comment through a Notice of Data Availability (NODA) in the Federal Register. Each final chapter will also be accompanied by a response to comments (RTC) document and a spreadsheet that allows users to apply the cost equations and data from each chapter. All draft and final products will be posted on an EPA web site. The acronym FY in the timeline below stands for Fiscal Year, which for the Federal government is from October 1 to September 30. New chapters are identified in red below.

7th Edition Development Plan Timeline*

Task for New Control Cost Manual Version	Completed?
Outreach to state, local, & tribal agencies (These groups are specifically mentioned in the 2014 Consolidated Appropriations Act). Outreach to environmental groups and industry and other groups such as Multi-Jurisdictional Organizations (MJOs).	Yes
	FY 2015
Revisions to SNCR Chapter	Yes
Revisions to SCR Chapter	Yes
Review by EPA and Public of SNCR Chapter	Yes
Review by EPA and Public of SCR Chapter	Yes
Revisions to Background and Cost Methodology Chapters	No
	FY 2016
Review by EPA and Public of the Cost Methodology Chapter	Yes
Beginning work on revising the following VOC control measure chapters: Incinerators, Refrigerated condensers, Carbon Adsorbers, Flares	Yes
Completion of SNCR and SCR chapters	Yes
Completion of draft Incinerators/Oxidizers, Refrigerated Condensers, and Cost Methodology Chapters	Yes
	FY 2017
Completion of draft Carbon Adsorbers and Flares chapters	Yes
Beginning work on revising the chapter on wet scrubbers for acid gas (SO ₂ control)	Yes
Beginning work on preparing draft NOx combustion control chapters (one for low NOx burners and ultra low-NOx burners, the second covering low excess air, staged combustion, and other combustion controls)	Yes
	FY 2018
Completion of final Incinerators/Oxidizers, Refrigerated condensers, and Cost Methodology chapters	Yes
Review by Public of Carbon Adsorbers and Flares chapters, and Completion of work on those final chapters	No
Beginning work on preparing draft chapter for wet and dry scrubbers for acid gas (SO ₂ control)	Yes
	FY 2019
Completion of updates to SNCR and SCR chapters	No
Completion of draft NOx combustion control chapter (low NOx/ultra-low NOx burners)	No
	No
Completion of draft chapter for wet and dry scrubbers for acid gas (SO ₂ control)	No
Review by Public of draft NOx combustion control chapter (low NOx/ultra-low NOx burners) and completion of final NOx combustion control chapter	No
Beginning work on PM control measure chapters (baghouses/fabric filters, wet scrubbers for particulate matter, electrostatic precipitators)	No

	FY 2020
Completion of draft PM control measure chapters	No
Review by Public of draft SO ₂ control measure chapter (wet and dry scrubbers for acid gas), and completion of final chapter	No
Completion of final NO _x combustion control chapter (low excess air, staged combustion, and other combustion controls)	No
Beginning work on preparing draft dry sorbent injection (DSI) chapter	No
Review by Public of draft PM control measures chapters, and completion of final chapters	No
Beginning work on preparing draft activated carbon injection (ACI) chapter	No
	FY 2021
Beginning work on draft Generic Equipment chapters (hoods, ductwork; permanent total enclosures; monitors)	No
Review by Public of draft Generic Equipment chapters	No
Completion of work to prepare draft DSI chapter	No
Completion of work to prepare draft ACI chapter	No
Review by Public of draft DSI chapter, and Completion of final chapter	No
	FY 2022
Review by Public of draft ACI chapter, and Completion of final chapter	No
Completion of final Generic Equipment chapters	No
END	September 2022

*FY 2018, the current Fiscal Year, runs from October 1, 2017 to September 30, 2018.