

# TCEQ'S Houston-Galveston-Brazoria Area Eight-Hour Ozone Attainment Demonstration SIP Submission Timeline

**DRAFT**

<b>PHOTOCHEMICAL MODELING</b>	
<b>2005 Modeling Episodes</b>	
Conduct base case modeling and complete current baseline modeling <ul style="list-style-type: none"> <li>• Conduct meteorological modeling</li> <li>• Conduct emissions modeling and processing</li> <li>• Conduct model performance evaluations</li> <li>• Develop 2005 baseline emissions</li> <li>• Conduct 2005 baseline modeling</li> </ul>	October 2006 – June 2008*
Conduct future baseline modeling with current controls and project future design values <ul style="list-style-type: none"> <li>• Develop 2018 future baseline emissions with applicable growth and current controls</li> <li>• Project future design values</li> <li>• Conduct VOC/NO<sub>x</sub> matrix modeling (estimating additional emission reductions)</li> </ul>	October 2007 - August 2008*
<b>2006 Modeling Episodes</b>	
Conduct base case modeling and complete current baseline modeling <ul style="list-style-type: none"> <li>• Conduct meteorological modeling</li> <li>• Conduct emissions modeling and processing</li> <li>• Conduct model performance evaluations</li> <li>• Conduct baseline modeling</li> </ul>	December 2006 - August 2008*
Conduct future baseline modeling with current controls and project future design values <ul style="list-style-type: none"> <li>• Develop 2018 future baseline emission with applicable growth and current controls</li> <li>• Conduct attainment modeling</li> <li>• Conduct VOC/NO<sub>x</sub> matrix modeling</li> </ul>	March 2008 - January 2009*
<b>Attainment Modeling</b>	
Conduct attainment modeling with existing and potential controls <ul style="list-style-type: none"> <li>• Develop emission control modeling files</li> <li>• Conduct modeling sensitivity runs</li> <li>• Conduct attainment modeling with selected controls</li> </ul>	January 2009 - March 2009*

### **CONTROL STRATEGY DEVELOPMENT**

- Initial concept phase - initial list of potential control strategy concepts that might provide some benefit, but without detailed technical and economic analysis
- Technical feasibility analysis of potential control strategies to determine:
  - if control technology is available
  - the level of control achievable
  - applicability/limitations of technology
  - ability to demonstrate effectiveness of control strategy
- Initial economic analysis to determine approximate cost of potential control measures that are determined to be technically feasible
- Legal analysis of potential control measures
- Examples of research done during analyses:
  - Surveys
  - Stakeholder research
  - Vendor research
  - Contract research projects
  - Small business impacts
  - Alternative control approaches
- Development of initial control files to test in the model to evaluate ozone reduction benefit of potential control measures
- Possible initial stakeholder meetings to get stakeholder feedback of potential control measures
- Refinement of initial concept list based on analyses to develop specific list targeted control measures
- Development of concept memos to request management approval to begin rulemaking process

August 2007 – January 2009

### **SIP and RULE PROPOSAL DEVELOPMENT**

- Stakeholder meetings and analysis of stakeholder feedback
- Evaluation of rule requirements for demonstrating compliance with control requirements, e.g., monitoring and testing, recordkeeping, reporting, etc.
- Drafting of the rule language, preamble, and all associated documentation required for rulemaking process
- Drafting of SIP Narrative and all associated documents
- Fine tuning of control files as needed during rule development phase
- Rule team detailed economic analysis to determine cost of control strategy,

September 2008 – Mid-August 2009

<ul style="list-style-type: none"> <li>monitoring requirements, recordkeeping, etc.</li> <li>TCEQ Budget &amp; Planning fiscal analysis of rule team economic analysis</li> <li>Legal review of rule documents</li> </ul>	
<ul style="list-style-type: none"> <li>Staff final review</li> <li>Legal and Management review of SIP and rule documentation</li> </ul>	Mid-August 2009 – Early-September 2009
<ul style="list-style-type: none"> <li>File documents with Office of General Counsel (51 days prior to agenda)</li> <li>Brief Executive Director (41 days prior to agenda)</li> <li>Pre-File documents with Commissioners (33 days prior to agenda)</li> <li>File Executive Director's recommended proposal with Chief Clerk's Office, at which time it becomes available for public viewing on the TCEQ website (19 days prior to agenda)</li> <li>Proposal Agenda</li> <li>Proposed preamble/rules and public hearing notice published in <i>Texas Register</i></li> </ul>	Early-September 2009 – October 2009

<b>SIP/RULE ADOPTION DEVELOPMENT</b>	
<ul style="list-style-type: none"> <li>Public hearings and comment period</li> <li>Reformatting and redrafting the rule language, preamble, SIP narrative and all associated documentation, in response to comments, required for adoption phase of SIP and rulemaking process</li> <li>Summarizing and evaluating all written and oral comments received</li> <li>Responding to comments and, as necessary, revising SIP narrative and rules and preambles based on comments received</li> <li>Legal review of rule documents</li> </ul>	November 2009 – Late-January 2010
<ul style="list-style-type: none"> <li>Staff final team review</li> <li>Legal and Management review of SIP and rule documentation</li> </ul>	Late-January 2010 – Mid-February 2010

<ul style="list-style-type: none"> <li>• File documents with Office of General Counsel (51 days prior to agenda)</li> <li>• Brief Executive Director (41 days prior to agenda)</li> <li>• Pre-File documents with Commissioners (33 days prior to agenda)</li> <li>• File Executive Director's recommended proposal with Chief Clerk's Office (19 days prior to agenda)</li> <li>• Adoption Agenda</li> <li>• Adopted preamble/rules published in <i>Texas Register</i></li> <li>• Submittal to EPA</li> </ul>	<p>Mid-February 2010 – April 2010</p>
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\*The end dates for technical tasks correspond to dates when initial phases of work are projected to be complete. Additional work could occur to incorporate, for example, emerging research findings, new direction, etc. However, any deviation in dates for finalization of work products should not impact the required completion dates.

Shaded items are fixed dates. Agenda dates and associated deadlines are determined by the commissioners according to agency procedures.