

**Dallas-Fort Worth (DFW) 1997 Eight-Hour Ozone Nonattainment Area
Stationary Source Control Strategy Planning
Draft Initial Concept List**

The following is a draft list of initial control strategy concepts for the DFW 1997 eight-hour ozone attainment demonstration. These concepts are only presented for further consideration as potential control strategies to help the DFW area attain the 1997 eight-hour ozone National Ambient Air Quality Standard. Further research and evaluation of the concepts is necessary to determine the ozone reduction benefit as well as technical and economic feasibility. Concepts are not listed in any particular order of priority, effectiveness, or feasibility.

Concept Description	Pollutant
DFW 9-County Region Controls	
Establish nitrogen oxides (NO _x) emission specifications for replacement boilers rated greater than 2.0 million British thermal units per hour (MMBtu/hr) at minor sources.	NO _x
Establish NO _x emission specifications for any sources categories at major sources not included in 2006/2007 rulemaking (e.g., new unit classes such as wood-fired boilers).	NO _x
More stringent major source industrial, commercial, and institutional gas-fired boiler NO _x emission specifications.	NO _x
Establish NO _x emission specifications for replacement process heaters greater than 2 MMBtu/hr at minor sources.	NO _x
Additional NO _x controls for cement kilns.	NO _x
Reduce NO _x emissions from utility electric generation sources by establishing more stringent emission specifications, revoking exemptions, or establishing source/system caps.	NO _x
Reduce NO _x emissions from natural gas-fired turbines at independent power producers and industrial power producers.	NO _x
Establish more stringent NO _x emission specifications for stationary diesel engines with high annual operating hours.	NO _x
Establish controls for portable engines, such as portable generators, and other engines considered non-stationary due to temporary service.	NO _x
Establish an emission cap and trade program similar to the mass emission cap and trade program in the HGB area in combination with additional control requirements to require emission reductions.	NO _x or VOC
Reduce emissions from volatile organic compounds (VOC) storage vessels due to flash emissions and roof landings by establishing more stringent control requirements similar to HGB rules; eliminating certain storage tank exemptions; or requiring storage tank design improvements such as hanging roof in lieu of roof supported by legs.	VOC
Establish more stringent VOC vent gas control requirements or expand the applicability of the existing rules to include additional sources.	VOC
Reduce VOC emissions from bakeries by establishing more stringent control requirements or lowering the threshold for requiring controls.	VOC
Require additional VOC controls for industrial wastewater systems; expand the rule applicability to include additional sources; or establish emission control requirements for publicly owned wastewater treatment facilities.	VOC

Concept Description	Pollutant
Establish more stringent VOC control requirements for municipal solid waste landfills.	VOC
Increase the stringency of the VOC control requirements for loading and unloading operations.	VOC
Establish more stringent VOC fugitive emission control requirements in petroleum refining, natural gas processing, and petrochemical processes. Options may include: establishing more stringent leak monitoring requirements (similar to HRVOC monitoring); lowering the detection limits for equipment leaks; or requiring instrument monitoring of connectors for equipment leaks.	VOC
Establish more stringent VOC content limits and control requirements for degreasing processes.	VOC
Establish more stringent VOC control requirements for cutback asphalt.	VOC
Establish more stringent VOC control requirements for the degassing or cleaning of stationary and transport vessels or expand existing rules to include all 9 counties in the DFW area.	VOC
Establish more stringent VOC controls for upstream oil and gas operations. Options may include: installing condensers; controls on glycol dehydrators; replacement of high-bleed pneumatic devices; or fugitive emissions monitoring and leak repair programs.	VOC
Reduce VOC emissions from breweries by implementing work practice standards or requiring the use of add-on control devices.	VOC
Implement best management practices via agreed orders or other mechanisms.	NO _x and VOC
Set expiration dates for discrete emission credits.	NO _x and VOC
Transport Controls (Outside DFW)	
Establish NO _x control requirements for selected source categories within 200 kilometer (km) of the DFW area.	NO _x
Reduce NO _x emissions from East and Central Texas utility electric generation sources by establishing more stringent emission specifications, revoking exemptions, or establishing source/system caps.	NO _x
Reduce NO _x emissions from stationary gas-fired engines by increasing the stringency of the existing East Texas combustion rules; establishing emission specifications for lean burn engines in the East Texas area; or expanding the applicability of the existing rule to include sources located in more counties within 200 km of the DFW area.	NO _x
Set expiration dates for discrete emission credits.	NO _x and VOC
Extend the control requirements for VOC storage vessels to include sources located within 100 km of the DFW area.	VOC
Extend the VOC control requirements for the degassing or cleaning of stationary and transport vessels to include sources located within 100 km of the DFW area.	VOC
Establish VOC controls for upstream oil and gas operations located within 100 km of the DFW area. Options may include: installing condensers; controls on glycol dehydrators; replacement of high-bleed pneumatic devices; or fugitive emissions monitoring and leak repair programs.	VOC