



**Form 400-E-5  
Selective Catalytic Reduction (SCR) System,  
Oxidation Catalyst, and Ammonia Catalyst**

This form must be accompanied by a completed Application for a Permit to Construct/Operate - Forms 400-A, Form 400-CEQA, and Form 400-PS.

Mail To:  
SCAQMD  
P.O. Box 4944  
Diamond Bar, CA 91765-0944  
Tel: (909) 396-3385  
www.aqmd.gov

**Section A - Operator Information**

Facility Name (Business Name of Operator That Appears On Permit): \_\_\_\_\_ Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): \_\_\_\_\_

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site): \_\_\_\_\_

Fixed Location      Various Locations

**Section B - Equipment Description**

**Selective Catalytic Reduction (SCR)**

SCR Catalyst	Manufacturer: _____ Catalyst Active Material: _____ Model Number: _____ Type: _____ Size of Each Layer or Module: L: _____ ft. _____ in. W: _____ ft. _____ in. H: _____ ft. _____ in. No. of Layers or Modules: _____ Total Volume: _____ cu. ft. Total Weight: _____ lbs.		
Reducing Agent	Urea	Anhydrous Ammonia	Aqueous Ammonia _____ %      Injection Rate: _____ lb/hr
Reducing Agent Storage *	Diameter: _____ ft. _____ in.      Height: _____ ft. _____ in.      Capacity: _____ gal Pressure Setting: _____ psia      * A separate permit may be needed for the storage equipment.		
Space Velocity	Gas Flow Rate/Catalyst Volume: _____ per hour		
Area Velocity	Gas Flow Rate/Wetted Catalyst Surface Area: _____ ft/hr		
Manufacturer's Guarantee	NOx: _____ ppm      %O <sub>2</sub> : _____      NOx: _____ gm/bhp-hr      Ammonia Slip: _____ ppm @ _____ %O <sub>2</sub>		
Catalyst Life	_____ years (expected)		
Cost	Capital Cost: _____      Installation Cost: _____      Catalyst Replacement Cost: _____		

**Oxidation Catalyst**

Oxidation Catalyst	Manufacturer: _____ Catalyst Active Material: _____ Model Number: _____ Type: _____ Size of Each Layer or Module: L: _____ ft. _____ in. W: _____ ft. _____ in. H: _____ ft. _____ in. No. of Layers or Modules: _____ Total Volume: _____ cu. ft. Total Weight: _____ lbs.		
Space Velocity	Gas Flow Rate/Catalyst Volume: _____ per hour		
Manufacturer's Guarantee	VOC: _____ ppm      VOC: _____ gm/bhp-hr      %O <sub>2</sub> : _____ CO: _____ ppm      CO: _____ gm/bhp-hr      %O <sub>2</sub> : _____		
Catalyst Life	_____ years (expected)		
Cost	Capital Cost: _____      Installation Cost: _____      Catalyst Replacement Cost: _____		

**Form 400-E-5**

**Selective Catalytic Reduction (SCR) System,  
Oxidation Catalyst, and Ammonia Catalyst**

This form must be accompanied by a completed Application for a Permit to Construct/Operate - Forms 400-A, Form 400-CEQA, and Form 400-PS.

**Section B - Equipment Description (cont.)**

Ammonia Catalyst	
Ammonia Catalyst	Manufacturer: _____ Catalyst Active Material: _____ Model Number: _____ Type: _____ Size of Each Layer or Module: L: _____ ft. _____ in. W: _____ ft. _____ in. H: _____ ft. _____ in. No. of Layers or Modules: _____ Total Volume: _____ cu. ft. Total Weight: _____ lbs.
Space Velocity	Gas Flow Rate/Catalyst Volume: _____ per hour
Manufacturer's Guarantee	NH <sub>3</sub> : _____ ppm %O <sub>2</sub> : _____
Catalyst Life	_____ years (expected)
Cost	Capital Cost: _____ Installation Cost: _____ Catalyst Replacement Cost: _____

**Section C - Operation Information**

Operating Temperature	Minimum Inlet Temperature: _____ °F (from cold start) Maximum Temperature: _____ °F Warm-up Time: _____ hr. _____ min. (maximum)
Operating Schedule	Normal: _____ hours/day _____ days/week _____ weeks/yr Maximum: _____ hours/day _____ days/week _____ weeks/yr

**Section D - Authorization/Signature**

I hereby certify that all information contained herein and information submitted with this application is true and correct.

Preparer Info	Signature: _____ Date: _____ Title: _____ Company Name: _____	Name: _____ Phone #: _____ Fax #: _____ Email: _____
Contact Info	Name: _____ Title: _____ Company Name: _____	Phone #: _____ Fax #: _____ Email: _____

THIS IS A PUBLIC DOCUMENT

Pursuant to the California Public Records Act, your permit application and any supplemental documentation are public records and may be disclosed to a third party. If you wish to claim certain limited information as exempt from disclosure because it qualifies as a trade secret, as defined in the District's Guidelines for Implementing the California Public Records Act, you must make such claim at the time of submittal to the District.

Check here if you claim that this form or its attachments contain confidential trade secret information.