



**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

July 1, 2015

**LELAP Lab ID # 05009**  
**AI No. 169249**  
**Accreditation Year FY 2016**  
**Renewal due FY 2019**

Mr. Douglas D. Rhoades  
Clean Air Engineering Inc  
500 W Wood St  
Palatine, Illinois 60067

Re: Scope of Accreditation

Dear Mr. Rhoades:

On May 5, 2015, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a renewal application for Accreditation. No changes to the scope of accreditation were requested.

The Louisiana Department of Environmental Quality's laboratory accreditation program, in accordance with Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, accredits this laboratory for Fiscal Year 2016. This accreditation does not constitute an endorsement of the suitability of the listed methods for any specific purpose. The laboratory is accredited for the method as identified on the application for accreditation; if the method is partially identified on the application for accreditation, the laboratory is accredited for the versions listed on the current application or referenced in the laboratory standard operating procedure.

National Environmental Laboratory Accreditation Program (NELAP) accreditation is granted only for those methods/analytes for which "NELAP" is indicated as the type of accreditation. "STATE" is indicated as the type of accreditation for those methods/analytes for which accreditation by the Louisiana Environmental Laboratory Accreditation Program (LELAP) is granted. Accreditation is dependent on the laboratory's successful ongoing compliance with regulations as outlined in the Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, and with the standards adopted by the NELAP Accreditation Council.

The accreditation certificate is the property of the State of Louisiana. Should your accreditation be suspended or revoked, your laboratory must return the certificate of accreditation to the department and delete any electronic copies until your accreditation status is restored.

LAC 33:I.5313.A and/or the 2009 TNI Standard require that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory reports. If the test report includes results of any test for which the laboratory is not accredited, the unaccredited results must be clearly identified as such.

Mr. Douglas D. Rhoades  
Clean Air Engineering Inc  
July 1, 2015  
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**We request that you examine the scope of accreditation attachment for accuracy and completeness.** If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

1. You have met the requirements for successful participation in proficiency test studies as outlined in LAC 33:I.4711 and in the 2009 TNI Standard.
2. In the case of accreditation by recognition, the requested analyte must be listed for the requested method and matrix on both the certificate issued by the Primary Accreditation Body *and* on the Louisiana application form.

If after reviewing this information, the scope and/or certificate are inaccurate, please notify us immediately.

If you have any questions, please contact your assigned assessor Dr. Alicia B. Ryan, Environmental Scientist at (225) 219-3247.

Sincerely,



Lourdes Iturralde  
Administrator  
Notifications and Accreditations Section  
OES, Public Participation and Permit Support Services Division

LI:PB:abr



**STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**Clean Air Engineering Inc  
500 W Wood St  
Palatine, Illinois 60067**

**Agency Interest No. 169249**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and agrees to adapt to any changes in the requirements. It also acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I and the 2009 TNI standards by which the laboratory was assessed. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Lourdes Iturralde, Administrator  
Notifications and Accreditations Section  
Public Participation and Permit Support Services Division

**Certificate Number: 05009**

**Expiration Date: June 30, 2016  
Issued On: July 1, 2015**



500 W Wood St, Palatine, Illinois 60067

Certificate Number: 05009

## Air Emissions

| Analyte   | Method Name | Method Code | Type  | AB |
|---|-------------|-------------|-------|----|
| 3805 - Fine particulates <2.5 um                        | EPA IP-9    | 752         | NELAP | TX |
| 3915 - Particulates                                     | TCEQ-23     | 2533        | NELAP | TX |
| 3915 - Particulates                                     | TCEQ-24     | 2534        | NELAP | TX |
| 1575 - Chloride   | EPA 9057    | 10199801    | NELAP | TX |
| 1770 - Hydrochloric acid (Hydrogen chloride (gas only)) | EPA 9057    | 10199801    | NELAP | TX |
| 1515 - Ammonia as N                                     | EPA CTM-027 | 10214707    | NELAP | TX |
| 9318 - 1,3-Butadiene                                    | EPA 18      | 10246636    | NELAP | TX |
| 4410 - 2-Butanone (Methyl ethyl ketone, MEK)            | EPA 18      | 10246636    | NELAP | TX |
| 4300 - Acetaldehyde                                     | EPA 18      | 10246636    | NELAP | TX |
| 9300 - Acetic acid                                      | EPA 18      | 10246636    | NELAP | TX |
| 4375 - Benzene  | EPA 18      | 10246636    | NELAP | TX |
| 100097 - Butene (all isomers)                           | EPA 18      | 10246636    | NELAP | TX |
| 4747 - Ethane   | EPA 18      | 10246636    | NELAP | TX |
| 4752 - Ethene   | EPA 18      | 10246636    | NELAP | TX |
| 4765 - Ethylbenzene                                     | EPA 18      | 10246636    | NELAP | TX |
| 4926 - Methane  | EPA 18      | 10246636    | NELAP | TX |
| 4930 - Methanol   | EPA 18      | 10246636    | NELAP | TX |
| 4836 - Propylene  | EPA 18      | 10246636    | NELAP | TX |
| 5140 - Toluene  | EPA 18      | 10246636    | NELAP | TX |
| 5260 - Xylene (total)                                   | EPA 18      | 10246636    | NELAP | TX |
| 5007 - n-Butane   | EPA 18      | 10246636    | NELAP | TX |
| 4855 - n-Hexane   | EPA 18      | 10246636    | NELAP | TX |
| 5028 - n-Pentane  | EPA 18      | 10246636    | NELAP | TX |
| 5029 - n-Propane  | EPA 18      | 10246636    | NELAP | TX |
| 4930 - Methanol   | EPA 308     | 10274507    | NELAP | TX |
| 3970 - Total reduced sulfur                             | EPA 16A     | 10402503    | NELAP | TX |
| 3915 - Particulates                                     | EPA 17      | 10402707    | NELAP | TX |
| 100045 - Condensable Particulate Matter                 | EPA 202     | 10403006    | NELAP | TX |
| 1541 - Bromine  | EPA 26      | 10403108    | NELAP | TX |
| 1580 - Chlorine   | EPA 26      | 10403108    | NELAP | TX |
| 1770 - Hydrochloric acid (Hydrogen chloride (gas only)) | EPA 26      | 10403108    | NELAP | TX |
| 100096 - Hydrogen Bromide (HBr)                         | EPA 26      | 10403108    | NELAP | TX |
| 1775 - Hydrogen fluoride (Hydrofluoric acid)            | EPA 26      | 10403108    | NELAP | TX |
| 1541 - Bromine  | EPA 26A     | 10403200    | NELAP | TX |
| 1580 - Chlorine   | EPA 26A     | 10403200    | NELAP | TX |
| 1770 - Hydrochloric acid (Hydrogen chloride (gas only)) | EPA 26A     | 10403200    | NELAP | TX |
| 100096 - Hydrogen Bromide (HBr)                         | EPA 26A     | 10403200    | NELAP | TX |
| 1775 - Hydrogen fluoride (Hydrofluoric acid)            | EPA 26A     | 10403200    | NELAP | TX |
| 3915 - Particulates                                     | EPA 5       | 10404305    | NELAP | TX |
| 3915 - Particulates                                     | EPA 5A      | 10404407    | NELAP | TX |
| 3915 - Particulates                                     | EPA 5B      | 10404509    | NELAP | TX |
| 3915 - Particulates                                     | EPA 5F      | 10404805    | NELAP | TX |
| 4010 - Sulfur dioxide                                   | EPA 6       | 10405206    | NELAP | TX |
| 4010 - Sulfur dioxide                                   | EPA 8       | 10406005    | NELAP | TX |

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Air Emissions

| Analyte                                   | Method Name   | Method Code | Type  | AB |
|---|---------------|-------------|-------|----|
| 4020 - Sulfuric acid mist, sulfur dioxide | EPA 8         | 10406005    | NELAP | TX |
| 4747 - Ethane                             | ASTM D1946-90 | 30024465    | NELAP | TX |
| 4926 - Methane                            | ASTM D1946-90 | 30024465    | NELAP | TX |

## Non Potable Water

| Analyte | Method Name | Method Code | Type | AB   |
|---------|-------------|-------------|------|------|
| NONE    | NONE        | NONE        | NONE | NONE |

## Solid Chemical Materials

| Analyte | Method Name | Method Code | Type | AB   |
|---------|-------------|-------------|------|------|
| NONE    | NONE        | NONE        | NONE | NONE |

## Biological Tissue

| Analyte | Method Name | Method Code | Type | AB   |
|---------|-------------|-------------|------|------|
| NONE    | NONE        | NONE        | NONE | NONE |