



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

July 1, 2014

**LELAP Lab ID # 05023**  
**AI No. 178173**  
**Accreditation Year FY 2015**  
**Renewal due FY 2017**

Ms. Diana Bowling  
Southern Petroleum Laboratories Inc  
4790 NE Evangeline Thwy  
Carencro, Louisiana 70520

Re: Scope of Accreditation

Dear Ms. Bowling:

On June 30, 2014, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a request for an amendment to your Scope of Accreditation. LELAP issues the FY 15 annual scope with the following removal: method ASTM D1946 in Air Emissions (AE)

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 2015. 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 NELAC 5.5.10.1 require that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory

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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.

**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 NELAC Standard 2.7.2.
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) 219-1352.

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



**Southern Petroleum Laboratories Inc  
4790 NE Evangeline Thwy  
Carencro, Louisiana 70520**

**Agency Interest No. 178173**

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 acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. 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: 05023**

**Expiration Date: June 30, 2015  
Issued On: July 1, 2014**



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
Issue Date: July 1, 2014

Southern Petroleum Laboratories Inc  
AI Number: 178173  
Expiration Date: June 30, 2015

4790 NE Evangeline Thwy, Carencro, Louisiana 70520

Certificate Number: 05023

## Air Emissions

| Analyte  | Method Name | Method Code | Type  | AB |
|--|-------------|-------------|-------|----|
| 4938 - 2-Methylbutane (Isopentane)                       | GPA 2186    | 1519        | State | LA |
| 4942 - 2-methylpropane (Isobutane)                       | GPA 2186    | 1519        | State | LA |
| 100261 - API Gravity (Density)                           | GPA 2186    | 1519        | State | LA |
| 100574 - Absolute Density (In Vacuum)                    | GPA 2186    | 1519        | State | LA |
| 100573 - Absolute Density (in Air)                       | GPA 2186    | 1519        | State | LA |
| 100599 - BTU/Cu Ft @ 14.696 psia @ 60 F                  | GPA 2186    | 1519        | State | LA |
| 100601 - BTU/Gal   | GPA 2186    | 1519        | State | LA |
| 100600 - BTU/Lb  | GPA 2186    | 1519        | State | LA |
| 4375 - Benzene   | GPA 2186    | 1519        | State | LA |
| 100548 - Calculated Molecular Weight                     | GPA 2186    | 1519        | State | LA |
| 3755 - Carbon dioxide                                    | GPA 2186    | 1519        | State | LA |
| 100589 - Cubic Feet Vapor/Gallon @ 14.73 psia            | GPA 2186    | 1519        | State | LA |
| 100590 - Cubic Feet Vapor/Gallon @ Desired Pressure Base | GPA 2186    | 1519        | State | LA |
| 4555 - Cyclohexane                                       | GPA 2186    | 1519        | State | LA |
| 4747 - Ethane  | GPA 2186    | 1519        | State | LA |
| 4765 - Ethylbenzene                                      | GPA 2186    | 1519        | State | LA |
| 100558 - Heptanes  | GPA 2186    | 1519        | State | LA |
| 100575 - Heptanes Plus                                   | GPA 2186    | 1519        | State | LA |
| 100559 - Hexanes   | GPA 2186    | 1519        | State | LA |
| 100551 - Hexanes plus                                    | GPA 2186    | 1519        | State | LA |
| 100576 - Iso-Decanes                                     | GPA 2186    | 1519        | State | LA |
| 100577 - Iso-Heptanes                                    | GPA 2186    | 1519        | State | LA |
| 100578 - Iso-Hexanes                                     | GPA 2186    | 1519        | State | LA |
| 100579 - Iso-Nonanes                                     | GPA 2186    | 1519        | State | LA |
| 100580 - Iso-Octanes                                     | GPA 2186    | 1519        | State | LA |
| 100581 - Iso-Undecanes                                   | GPA 2186    | 1519        | State | LA |
| 4926 - Methane   | GPA 2186    | 1519        | State | LA |
| 1843 - Nitrogen  | GPA 2186    | 1519        | State | LA |
| 100263 - Propane   | GPA 2186    | 1519        | State | LA |
| 8042 - Specific Gravity (Relative Density)               | GPA 2186    | 1519        | State | LA |
| 5140 - Toluene   | GPA 2186    | 1519        | State | LA |
| 5260 - Xylene (total)                                    | GPA 2186    | 1519        | State | LA |
| 5240 - m+p-xylene  | GPA 2186    | 1519        | State | LA |
| 5007 - n-Butane  | GPA 2186    | 1519        | State | LA |
| 5875 - n-Decane  | GPA 2186    | 1519        | State | LA |
| 6235 - n-Dodecane  | GPA 2186    | 1519        | State | LA |
| 4825 - n-Heptane   | GPA 2186    | 1519        | State | LA |
| 4855 - n-Hexane  | GPA 2186    | 1519        | State | LA |
| 5026 - n-Nonane  | GPA 2186    | 1519        | State | LA |
| 5027 - n-Octane  | GPA 2186    | 1519        | State | LA |
| 5028 - n-Pentane   | GPA 2186    | 1519        | State | LA |
| 6747 - n-Undecane  | GPA 2186    | 1519        | State | LA |
| 5250 - o-Xylene  | GPA 2186    | 1519        | State | LA |
| 5220 - 2,2,4-Trimethylpentane (Isooctane)                | GPA 2103    | 2484        | State | LA |
| 4938 - 2-Methylbutane (Isopentane)                       | GPA 2103    | 2484        | State | LA |
| 4941 - 2-Methylpentane (Isohexane)                       | GPA 2103    | 2484        | State | LA |
| 4942 - 2-methylpropane (Isobutane)                       | GPA 2103    | 2484        | State | LA |
| 100261 - API Gravity (Density)                           | GPA 2103    | 2484        | State | LA |

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 |
|--|-------------|-------------|-------|----|
| 100265 - Absolute Liquid Density (standard conditions)     | GPA 2103    | 2484        | State | LA |
| 100264 - Absolute Liquid Density (under vacuum)            | GPA 2103    | 2484        | State | LA |
| 4375 - Benzene   | GPA 2103    | 2484        | State | LA |
| 100268 - C7 and higher hydrocarbons                        | GPA 2103    | 2484        | State | LA |
| 100548 - Calculated Molecular Weight                       | GPA 2103    | 2484        | State | LA |
| 3755 - Carbon dioxide                                      | GPA 2103    | 2484        | State | LA |
| 100589 - Cubic Feet Vapor/Gallon @ 14.73 psia              | GPA 2103    | 2484        | State | LA |
| 100590 - Cubic Feet Vapor/Gallon @ Desired Pressure Base   | GPA 2103    | 2484        | State | LA |
| 100557 - Decanes plus                                      | GPA 2103    | 2484        | State | LA |
| 4747 - Ethane  | GPA 2103    | 2484        | State | LA |
| 4765 - Ethylbenzene  | GPA 2103    | 2484        | State | LA |
| 100558 - Heptanes  | GPA 2103    | 2484        | State | LA |
| 100559 - Hexanes   | GPA 2103    | 2484        | State | LA |
| 4926 - Methane   | GPA 2103    | 2484        | State | LA |
| 1843 - Nitrogen  | GPA 2103    | 2484        | State | LA |
| 100560 - Nonanes   | GPA 2103    | 2484        | State | LA |
| 100561 - Octanes   | GPA 2103    | 2484        | State | LA |
| 100263 - Propane   | GPA 2103    | 2484        | State | LA |
| 8042 - Specific Gravity (Relative Density)                 | GPA 2103    | 2484        | State | LA |
| 5140 - Toluene   | GPA 2103    | 2484        | State | LA |
| 5260 - Xylene (total)                                      | GPA 2103    | 2484        | State | LA |
| 5007 - n-Butane  | GPA 2103    | 2484        | State | LA |
| 4855 - n-Hexane  | GPA 2103    | 2484        | State | LA |
| 5028 - n-Pentane   | GPA 2103    | 2484        | State | LA |
| 4938 - 2-Methylbutane (Isopentane)                         | GPA 2261    | 2942        | State | LA |
| 4942 - 2-methylpropane (Isobutane)                         | GPA 2261    | 2942        | State | LA |
| 100587 - Calculated Gross BTU/Cubic Feet (Dry Basis)       | GPA 2261    | 2942        | State | LA |
| 100588 - Calculated Gross BTU/Cubic Feet (Saturated Basis) | GPA 2261    | 2942        | State | LA |
| 100548 - Calculated Molecular Weight                       | GPA 2261    | 2942        | State | LA |
| 3755 - Carbon dioxide                                      | GPA 2261    | 2942        | State | LA |
| 100549 - Compressibility Factor                            | GPA 2261    | 2942        | State | LA |
| 4747 - Ethane  | GPA 2261    | 2942        | State | LA |
| 100591 - GPM (in psia@60 F)                                | GPA 2261    | 2942        | State | LA |
| 100575 - Heptanes Plus                                     | GPA 2261    | 2942        | State | LA |
| 100551 - Hexanes plus                                      | GPA 2261    | 2942        | State | LA |
| 4926 - Methane   | GPA 2261    | 2942        | State | LA |
| 1843 - Nitrogen  | GPA 2261    | 2942        | State | LA |
| 100263 - Propane   | GPA 2261    | 2942        | State | LA |
| 100602 - Relative Density                                  | GPA 2261    | 2942        | State | LA |
| 5007 - n-Butane  | GPA 2261    | 2942        | State | LA |
| 5028 - n-Pentane   | GPA 2261    | 2942        | State | LA |
| 4938 - 2-Methylbutane (Isopentane)                         | GPA 2177    | 2943        | State | LA |
| 4942 - 2-methylpropane (Isobutane)                         | GPA 2177    | 2943        | State | LA |
| 100261 - API Gravity (Density)                             | GPA 2177    | 2943        | State | LA |
| 100574 - Absolute Density (In Vacuum)                      | GPA 2177    | 2943        | State | LA |
| 100573 - Absolute Density (in Air)                         | GPA 2177    | 2943        | State | LA |
| 100599 - BTU/Cu Ft @ 14.696 psia @ 60 F                    | GPA 2177    | 2943        | State | LA |
| 100601 - BTU/Gal   | GPA 2177    | 2943        | State | LA |
| 100600 - BTU/Lb  | GPA 2177    | 2943        | State | LA |
| 100548 - Calculated Molecular Weight                       | GPA 2177    | 2943        | State | LA |

## Air Emissions

| Analyte  | Method Name | Method Code | Type  | AB |
|--|-------------|-------------|-------|----|
| 3755 - Carbon dioxide                                      | GPA 2177    | 2943        | State | LA |
| 100589 - Cubic Feet Vapor/Gallon @ 14.73 psia              | GPA 2177    | 2943        | State | LA |
| 100590 - Cubic Feet Vapor/Gallon @ Desired Pressure Base   | GPA 2177    | 2943        | State | LA |
| 4747 - Ethane  | GPA 2177    | 2943        | State | LA |
| 100551 - Hexanes plus                                      | GPA 2177    | 2943        | State | LA |
| 4926 - Methane   | GPA 2177    | 2943        | State | LA |
| 1843 - Nitrogen  | GPA 2177    | 2943        | State | LA |
| 100263 - Propane   | GPA 2177    | 2943        | State | LA |
| 8042 - Specific Gravity (Relative Density)                 | GPA 2177    | 2943        | State | LA |
| 5007 - n-Butane  | GPA 2177    | 2943        | State | LA |
| 5028 - n-Pentane   | GPA 2177    | 2943        | State | LA |
| 4938 - 2-Methylbutane (Isopentane)                         | GPA 2286    | 2946        | State | LA |
| 4942 - 2-methylpropane (Isobutane)                         | GPA 2286    | 2946        | State | LA |
| 4375 - Benzene   | GPA 2286    | 2946        | State | LA |
| 100587 - Calculated Gross BTU/Cubic Feet (Dry Basis)       | GPA 2286    | 2946        | State | LA |
| 100588 - Calculated Gross BTU/Cubic Feet (Saturated Basis) | GPA 2286    | 2946        | State | LA |
| 100548 - Calculated Molecular Weight                       | GPA 2286    | 2946        | State | LA |
| 3755 - Carbon dioxide                                      | GPA 2286    | 2946        | State | LA |
| 100549 - Compressibility Factor                            | GPA 2286    | 2946        | State | LA |
| 4555 - Cyclohexane   | GPA 2286    | 2946        | State | LA |
| 4747 - Ethane  | GPA 2286    | 2946        | State | LA |
| 4765 - Ethylbenzene  | GPA 2286    | 2946        | State | LA |
| 100591 - GPM (in psia@60 F)                                | GPA 2286    | 2946        | State | LA |
| 100575 - Heptanes Plus                                     | GPA 2286    | 2946        | State | LA |
| 100559 - Hexanes   | GPA 2286    | 2946        | State | LA |
| 100551 - Hexanes plus                                      | GPA 2286    | 2946        | State | LA |
| 100576 - Iso-Decanes                                       | GPA 2286    | 2946        | State | LA |
| 100577 - Iso-Heptanes                                      | GPA 2286    | 2946        | State | LA |
| 100578 - Iso-Hexanes                                       | GPA 2286    | 2946        | State | LA |
| 100579 - Iso-Nonanes                                       | GPA 2286    | 2946        | State | LA |
| 100580 - Iso-Octanes                                       | GPA 2286    | 2946        | State | LA |
| 4926 - Methane   | GPA 2286    | 2946        | State | LA |
| 1843 - Nitrogen  | GPA 2286    | 2946        | State | LA |
| 100263 - Propane   | GPA 2286    | 2946        | State | LA |
| 100602 - Relative Density                                  | GPA 2286    | 2946        | State | LA |
| 5140 - Toluene   | GPA 2286    | 2946        | State | LA |
| 5260 - Xylene (total)                                      | GPA 2286    | 2946        | State | LA |
| 5245 - m-Xylene  | GPA 2286    | 2946        | State | LA |
| 5007 - n-Butane  | GPA 2286    | 2946        | State | LA |
| 5875 - n-Decane  | GPA 2286    | 2946        | State | LA |
| 4825 - n-Heptane   | GPA 2286    | 2946        | State | LA |
| 4855 - n-Hexane  | GPA 2286    | 2946        | State | LA |
| 5026 - n-Nonane  | GPA 2286    | 2946        | State | LA |
| 5027 - n-Octane  | GPA 2286    | 2946        | State | LA |
| 5028 - n-Pentane   | GPA 2286    | 2946        | State | LA |
| 5250 - o-Xylene  | GPA 2286    | 2946        | State | LA |
| 5255 - p-Xylene  | GPA 2286    | 2946        | State | LA |

## Non Potable Water

| Analyte | Method Name | Method Code | Type | AB |
|---------|-------------|-------------|------|----|
|---------|-------------|-------------|------|----|

Southern Petroleum Laboratories Inc  
Issue Date: July 1, 2014

**Certificate Number: 05023**

AI Number: 178173  
Expiration Date: June 30, 2015

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

## 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 |