



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
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Joe Manchin III, Governor
Randy C Huffman, Cabinet Secretary
www.wvdep.org

30 April 2010

Lab # 257 [11-3-6]
Tristan L Davis
Quality Assurance Officer
Southern Petroleum Laboratories, Incorporated - Lafayette
500 Ambassador Caffery Parkway
Scott, Louisiana 70583-8544

Dear Tristan:

I have enclosed the **ATTACHMENT I** recertifying your facility through, **30 June 2011**.

Please do not hesitate to contact me, if you have any questions or concerns. I can be contacted by phone at: 304-472-5124, by fax at: 304-473-4203, by e-mail at: davidfwolfe@verizon.net, or by e-mail at: david.f.wolfe@wv.gov.

Sincerely,

A handwritten signature in cursive script that reads "David F Wolfe".

David F Wolfe, PhD
Quality Assurance Officer

Division of Water and Waste Management
28 Hickory Flat Road
Buckhannon, West Virginia 26201-8541

Phone: 304-472-5124
Fax: 304-473-4203

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Enclosure:

Attachment I

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER AND WASTE MANAGEMENT

Annual Certified Parameter List

for

SOUTHERN PETROLEUM LABORATORY, INCORPORATED - LAFAYETTE
SCOTT, LOUISIANA

PARAMETERS CERTIFIED

LIMITED CHEMISTRY: Sulfate(ASTM D516-90,02), Specific Conductance(EPA120.1 Rev-1982), Turbidity(EPA180.1 Rev 2.0-1993), Oil & Grease(EPA1664 A), Phenolics, Total(EPA420.1 Rev 1978), Alkalinity(SM20th2320 B), Hardness, Total(SM20th2340 C), Specific Conductance(SM20th2510 B), Hardness, Titrimetric, EDTA(SM20th3500-Ca B), Chloride(SM20th4500-Cl⁻ C), Cyanide, Total(SM20th4500-CN C + SM20th4500-CN E), Fluoride(SM20th4500-F⁻ C), Oxygen, Dissolved(*field test*)(SM20th4500-O G), Phosphorus, Ortho(SM20th4500-P E), Phosphorus, Total(SM20th4500-P E), Sulfide(SM20th4500-S2 D), Oil & Grease(SM20th5520 B), Oil & Grease(SM20th5520 D), Oil & Grease(SM20th5520 F), Cyanide, Total(SW9010 C), Cyanide, Total(SW9014), Sulfide(SW9030B), Phenolics(SW9065), Oil & Grease(SW9070 B), Oil & Grease(SW9071 B)

(SM20th2340 B) - Hardness, Calcium, Calculation, Hardness, Total, Calculation

Demand: Oxygen, Chemical(COD)(EPA410.4 Rev 2.0-1993), Oxygen, Biochemical(BOD)(SM20th5210 B), Oxygen, Chemical(COD)(SM20th5220 D), Organic Carbon, Total(TOC)(SM20th5310 B), Organic Carbon, Total(TOC)(SW9060), Organic Carbon, Total(TOC)(SW9060A)

Nitrogen: Ammonia(SM20th4500NH₃ B & C), Ammonia(SM20th4500NH₃ D), Kjeldahl, Total(SM20th4500N_{Org} B & NH₃ D), Nitrite(SM20th4500NO₂ B), Nitrate-Nitrite(SM20th4500NO₃ E), Nitrate(SM20th4500NO₃ E minus SM20th4500NO₂ B)

Solids: Volatile(EPA160.4), Volatile(SM19th2540 E), Total(SM20th2540 B), Dissolved(SM20th2540 C), Suspended(SM20th2540 D), Volatile(SM20th2540 E), Settleable(SM20th2540 F)

IC:

(EPA300.0 Rev2.1-1993) – Bromide, Chloride, Fluoride, Nitrate, Nitrite, Sulfate

(SW9056A) – Bromide, Chloride, Fluoride, Nitrate, Nitrite, Sulfate

ORGANICS:

HPLC: Carbonyl Compounds(SW8315A), Formaldehyde(EPA1667)

GC/HPLC: Polynuclear Aromatic Hydrocarbons(SW8310)

GC/MS: Purgeables(EPA624), Base/Neutrals & Acids(EPA625), Volatile Organic Compounds(SW8260B), Semivolatile Organic Compounds(SW8270D)

GC: EDB & DBCP(EPA504), Purgeable Aromatics(EPA602), Organochlorine Pesticides & PCBs(EPA608), EDB & DBCP(SW8011), Total Petroleum Hydrocarbons(SW8015C), Halogenated & Aromatic Volatiles(SW8021B), Organochlorine Pesticides(SW8081B), Polychlorinated Biphenyls(SW8082A), Chlorinated Herbicides(SW8151A)

METALS:

CVAA: Mercury(EPA245.1 Rev 3.0(1994), Mercury(SW7470A), Mercury(SW7471A), Mercury(SW7471B)

FAA:

SM19th3111 B - Calcium, Iron, Magnesium, Potassium, Sodium

SM19th3111 D - Barium

SW7000B – Barium(SW7080A), Calcium(SW7140), Iron(SW7380), Magnesium(SW7450), Potassium(SW7610), Sodium(SW7770)

ICP/MS:

EPA200.8 Rev 5.4-1994 - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

SW6020 - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

SW6020A - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

METALS: (continued)

ICP:

EPA200.7 Rev 4.4-1994 - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

SW6010B - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

SW6010C - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

Miscellaneous: Chromium(hexavalent)(SM19th3500Cr D),
Chromium(hexavalent)(SM20th3500Cr B), Iron(ferrous)(SM20th3500-Fe B),
Chromium(hexavalent)(SW7196A)

HAZARDOUS WASTE:

Characteristics: Reactivity, Cyanide(SW Chapter 7.3.3.2), Reactivity, Sulfide(SW Chapter 7.3.4.2), Ignitability(SW1010A), Corrosivity(SW1110A), Cyanide, Reactive(SW9010C), Cyanide, Reactive(SW9014), Sulfide, Reactive(SW9034A), Corrosivity, pH(Lab)(SW9040C), Corrosivity, pH, Solid & Waste(Lab)(SW9045D), Paint Filter Test(SW9095B)

Extractions: Separatory Funnel Liquid-Liquid(SW3510B), Separatory Funnel Liquid-Liquid(SW3510C), Extraction(SW3511), Ultrasonic(SW3550C), Waste Dilution(SW3580A), Purge & Trap For Aqueous Sample(SW5030B), Closed System Purge & Trap(SW5035), Closed System Purge & Trap(SW5035A), Soxhlet Extraction(SW3540C), Automated Soxhlet Extraction(SW3541), Alumina Cleanup(SW3611B), Florisil Cleanup(SW3620B), Florisil Cleanup(SW3620C), Silica Gel Cleanup(SW3630)

Digestion: Acid Digestion of Waters by FLAA & ICP(SW3005A), Acid Digestion of Aqueous Samples & Extracts (FLAA/ICP)(SW3010A), Acid Digestion of Sediments, Sludges & Soils(SW3050B)

Toxicity: TCLP (Metals & Organics)(SW1311)

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

This Certification Expires On, **30 June 2011**.

Certificate No. **257**.

David F. Wolfe Issued On, 30 April 2010.

David F Wolfe, PhD
Quality Assurance Officer