



*STATE OF KANSAS*  
*DEPARTMENT OF HEALTH AND ENVIRONMENT*  
*CERTIFICATE*



*This is to certify that Certificate No. E-10413*

*APPL, Inc.*  
*908 North Temperance Avenue*  
*Clovis, CA 93611-8606*

*has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-36 for performing environmental analyses for the parameters listed on the attached form. Continuous accreditation depends on successful, ongoing participation in the program. Clients are urged to verify with this agency the laboratory's certification status for particular methods and analytes.*

*EFFECTIVE DATE: 11/01/2015*

*EXPIRATION DATE: 10/31/2016*

Handwritten signature of Susan K. Mosier.

*Secretary*  
*Department of Health and Environment*

Handwritten signature of the Section Chief.

*Section chief*  
*Environmental Laboratory Certifications*

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

PAGE: 1

**This certificate supersedes all previous certificates**

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APPL, Inc.  
908 North Temperance Avenue  
Clovis, CA 93611-8606

Certificate Number: E-10413  
Effective Date: 11/01/2015  
Expiration Date: 10/31/2016  
Reciprocity: UT

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The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:

**\*\*DEMANDS**

Total Organic Carbon {SM 5310 B, C, or D}

**\*\*MINERALS**

Alkalinity {SM 2320 B}

Sulfide {SM 4500-S-2 F}

**End of Parameter List**

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

PAGE: 1

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**The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:**

**\*\*CHARACTERISTICS**

Toxic-Characteristic-Leaching Procedure {EPA 1311}

**\*\*DEMANDS**

Total Organic Carbon {EPA 9060}

**\*\*METALS**

Antimony {EPA 6010}  
Antimony {EPA 6020}  
Arsenic {EPA 6010}  
Arsenic {EPA 6020}  
Barium {EPA 6010}  
Barium {EPA 6020}  
Beryllium {EPA 6010}  
Beryllium {EPA 6020}  
Cadmium {EPA 6010}  
Cadmium {EPA 6020}  
Chromium {EPA 6010}  
Chromium {EPA 6020}  
Chromium, VI {EPA 7196}  
Cobalt {EPA 6010}  
Cobalt {EPA 6020}  
Copper {EPA 6010}  
Copper {EPA 6020}  
Lead {EPA 6010}  
Lead {EPA 6020}  
Mercury {EPA 7470}  
Mercury {EPA 7471}  
Molybdenum {EPA 6010}  
Nickel {EPA 6010}  
Nickel {EPA 6020}  
Selenium {EPA 6010}  
Selenium {EPA 6020}  
Silver {EPA 6010}  
Silver {EPA 6020}  
Thallium {EPA 6010}  
Thallium {EPA 6020}  
Vanadium {EPA 6010}  
Vanadium {EPA 6020}  
Zinc {EPA 6010}  
Zinc {EPA 6020}

**\*\*MINERALS**

Chloride {EPA 9056}  
Fluoride {EPA 9056}  
Sulfate {EPA 9056}

**\*\*MISCELLANEOUS**

Cyanide {EPA 9010}  
Cyanide {EPA 9014}  
Cyanide, Amenable to CL {EPA 9010}  
Hydrogen Ion (pH) {EPA 9045}

**\*\*NUTRIENTS**

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

Nitrate {EPA 9056}  
Nitrite {EPA 9056}  
Ortho-phosphate {EPA 9056}

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC/MS)**

{EPA 8260} 1,1-Dichloroethane  
{EPA 8260} 1,1-Dichloroethene  
{EPA 8260} 1,1-Dichloropropene  
{EPA 8260} 1,1,1-Trichloroethane  
{EPA 8260} 1,1,1,2-Tetrachloroethane  
{EPA 8260} 1,1,2-Trichloroethane  
{EPA 8260} 1,1,2,2-Tetrachloroethane  
{EPA 8260} 1,2-Dichlorobenzene  
{EPA 8260} 1,2-Dichloroethane  
{EPA 8260} 1,2-Dichloropropane  
{EPA 8260} 1,2,3-Trichlorobenzene  
{EPA 8260} 1,2,3-Trichloropropane  
{EPA 8260} 1,2,4-Trichlorobenzene  
{EPA 8260} 1,2,4-Trimethylbenzene  
{EPA 8260} 1,3-Dichlorobenzene  
{EPA 8260} 1,3-Dichloropropane  
{EPA 8260} 1,3,5-Trimethylbenzene  
{EPA 8260} 1,4-Dichlorobenzene  
{EPA 8260} 2-Chloroethyl vinyl ether  
{EPA 8260} 2-Chlorotoluene  
{EPA 8260} 2-Hexanone  
{EPA 8260} 2,2-Dichloropropane  
{EPA 8260} 4-Chlorotoluene  
{EPA 8260} 4-Isopropyltoluene  
{EPA 8260} 4-Methyl-2-Pentanone (MIBK)  
{EPA 8260} Acetone  
{EPA 8260} Acetonitrile  
{EPA 8260} Acrolein  
{EPA 8260} Acrylonitrile  
{EPA 8260} Benzene  
{EPA 8260} Benzyl chloride  
{EPA 8260} Bromobenzene  
{EPA 8260} Bromochloromethane  
{EPA 8260} Bromodichloromethane  
{EPA 8260} Bromoform  
{EPA 8260} Bromomethane (Methyl bromide)  
{EPA 8260} Carbon disulfide  
{EPA 8260} Carbon tetrachloride  
{EPA 8260} Chlorobenzene  
{EPA 8260} Chloroethane  
{EPA 8260} Chloroform  
{EPA 8260} Chloromethane (Methyl chloride)  
{EPA 8260} cis-1,2-Dichloroethylene  
{EPA 8260} cis-1,3-Dichloropropene  
{EPA 8260} Dibromochloromethane  
{EPA 8260} Dibromochloropropane (DBCP)  
{EPA 8260} Dibromofluoromethane  
{EPA 8260} Dibromomethane  
{EPA 8260} Dichlorodifluoromethane  
{EPA 8260} Dichloromethane (Methylene chloride)  
{EPA 8260} Ethylbenzene  
{EPA 8260} Ethylene dibromide (EDB, 1,2-Dibromoethane)  
{EPA 8260} Hexachlorobutadiene  
{EPA 8260} Hexachloroethane  
{EPA 8260} Iodomethane  
{EPA 8260} Isopropylbenzene  
{EPA 8260} meta-Xylene  
{EPA 8260} Methyl ethyl ketone  
{EPA 8260} Methyl tert-butyl ether (MTBE)

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8260} n-Butylbenzene  
 {EPA 8260} n-Propylbenzene  
 {EPA 8260} Naphthalene  
 {EPA 8260} Nitrobenzene  
 {EPA 8260} ortho-Xylene  
 {EPA 8260} para-Xylene  
 {EPA 8260} sec-Butylbenzene  
 {EPA 8260} Styrene  
 {EPA 8260} t-Butyl alcohol  
 {EPA 8260} tert-Butylbenzene  
 {EPA 8260} Tetrachloroethene (Perchloroethylene)  
 {EPA 8260} Toluene  
 {EPA 8260} trans-1,2-Dichloroethylene  
 {EPA 8260} trans-1,3-Dichloropropene  
 {EPA 8260} trans-1,4-Dichloro-2-butene  
 {EPA 8260} Trichloroethene (Trichloroethylene)  
 {EPA 8260} Trichlorofluoromethane  
 {EPA 8260} Vinyl Acetate  
 {EPA 8260} Vinyl chloride

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC)**

{EPA 8081} 4,4'-DDD  
 {EPA 8081} 4,4'-DDE  
 {EPA 8081} 4,4'-DDT  
 {EPA 8081} Aldrin  
 {EPA 8081} alpha-BHC (alpha-Hexachlorocyclohexane)  
 {EPA 8081} alpha-Chlordane  
 {EPA 8081} beta-BHC (beta-Hexachlorocyclohexane)  
 {EPA 8081} Chlordane (Tech)  
 {EPA 8081} delta-BHC  
 {EPA 8081} Dieldrin  
 {EPA 8081} Endosulfan I  
 {EPA 8081} Endosulfan II  
 {EPA 8081} Endosulfan Sulfate  
 {EPA 8081} Endrin  
 {EPA 8081} Endrin aldehyde  
 {EPA 8081} Endrin ketone  
 {EPA 8081} g-Chlordane  
 {EPA 8081} gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)  
 {EPA 8081} Heptachlor  
 {EPA 8081} Heptachlor epoxide  
 {EPA 8081} Methoxychlor  
 {EPA 8081} Toxaphene  
 {EPA 8082} PCB-1016  
 {EPA 8082} PCB-1221  
 {EPA 8082} PCB-1232  
 {EPA 8082} PCB-1242  
 {EPA 8082} PCB-1248  
 {EPA 8082} PCB-1254  
 {EPA 8082} PCB-1260  
 {EPA 8141} Atrazine  
 {EPA 8141} Azinphos-methyl (Guthion)  
 {EPA 8141} Bolstar (Sulprofos)  
 {EPA 8141} Chlorpyrifos  
 {EPA 8141} Coumaphos  
 {EPA 8141} Demeton-o  
 {EPA 8141} Demeton-s  
 {EPA 8141} Diazinon  
 {EPA 8141} Dichlorovos (DDVP, Dichlorvos)  
 {EPA 8141} Dimethoate  
 {EPA 8141} Disulfoton  
 {EPA 8141} EPN  
 {EPA 8141} Ethion  
 {EPA 8141} Ethoprop

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8141} Famphur  
 {EPA 8141} Fensulfothion  
 {EPA 8141} Fenthion  
 {EPA 8141} Malathion  
 {EPA 8141} Merphos  
 {EPA 8141} Mevinphos  
 {EPA 8141} Naled  
 {EPA 8141} Parathion ethyl  
 {EPA 8141} Parathion methyl  
 {EPA 8141} Phorate  
 {EPA 8141} Ronnel  
 {EPA 8141} Simazine  
 {EPA 8141} Tetraethyl dithiopyrophosphate (Sulfotepp)  
 {EPA 8151} 2,4-D  
 {EPA 8151} 2,4-DB  
 {EPA 8151} 2,4,5-T  
 {EPA 8151} 2,4,5-TP (Silvex)  
 {EPA 8151} 3,5-Dichlorobenzoic acid  
 {EPA 8151} 4-Nitrophenol  
 {EPA 8151} Acifluorfen  
 {EPA 8151} Bentazon  
 {EPA 8151} Dalapon  
 {EPA 8151} DCPA Di-Acid  
 {EPA 8151} Dicamba  
 {EPA 8151} Dichlorprop  
 {EPA 8151} Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)  
 {EPA 8151} MCPA  
 {EPA 8151} MCPP  
 {EPA 8151} Pentachlorophenol  
 {EPA 8151} Picloram

\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)

{EPA 8270} 1,2-Dichlorobenzene  
 {EPA 8270} 1,2,4-Trichlorobenzene  
 {EPA 8270} 1,2,4,5-Tetrachlorobenzene  
 {EPA 8270} 1,3-Dichlorobenzene  
 {EPA 8270} 1,4-Dichlorobenzene  
 {EPA 8270} 2-Chloronaphthalene  
 {EPA 8270} 2-Chlorophenol  
 {EPA 8270} 2-Methyl-4,6-Dinitrophenol  
 {EPA 8270} 2-Methylnaphthalene  
 {EPA 8270} 2-Methylphenol (o-Cresol)  
 {EPA 8270} 2-Nitroaniline  
 {EPA 8270} 2-Nitrophenol  
 {EPA 8270} 2,3,4,6-Tetrachlorophenol  
 {EPA 8270} 2,4-Dichlorophenol  
 {EPA 8270} 2,4-Dimethylphenol  
 {EPA 8270} 2,4-Dinitrophenol  
 {EPA 8270} 2,4-Dinitrotoluene (2,4-DNT)  
 {EPA 8270} 2,4,5-Trichlorophenol  
 {EPA 8270} 2,4,6-Trichlorophenol  
 {EPA 8270} 2,6-Dichlorophenol  
 {EPA 8270} 2,6-Dinitrotoluene  
 {EPA 8270} 3-Methylphenol (m-Cresol)  
 {EPA 8270} 3-Nitroaniline  
 {EPA 8270} 3,3'-Dichlorobenzidine  
 {EPA 8270} 4-Bromophenyl phenyl ether  
 {EPA 8270} 4-Chloro-3-methylphenol  
 {EPA 8270} 4-Chloroaniline  
 {EPA 8270} 4-Chlorophenyl phenyl ether  
 {EPA 8270} 4-Methylphenol (p-Cresol)  
 {EPA 8270} 4-Nitroaniline  
 {EPA 8270} 4-Nitrophenol  
 {EPA 8270} Acenaphthene

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8270} Acenaphthylene  
 {EPA 8270} Acetophenone  
 {EPA 8270} Aniline  
 {EPA 8270} Anthracene  
 {EPA 8270} Benzidine  
 {EPA 8270} Benzoic acid  
 {EPA 8270} Benzo(a)anthracene  
 {EPA 8270} Benzo(a)pyrene  
 {EPA 8270} Benzo(b)fluoranthene  
 {EPA 8270} Benzo(g,h,i)perylene  
 {EPA 8270} Benzo(k)fluoranthene  
 {EPA 8270} Benzyl alcohol  
 {EPA 8270} Bis(2-chloroethoxy)methane  
 {EPA 8270} Bis(2-chloroethyl)ether  
 {EPA 8270} Bis(2-chloroisopropyl)ether  
 {EPA 8270} Bis(2-ethylhexyl)phthalate  
 {EPA 8270} Butyl benzyl phthalate  
 {EPA 8270} Chrysene  
 {EPA 8270} Di-n-butyl phthalate  
 {EPA 8270} Di-n-octyl phthalate  
 {EPA 8270} Dibenzofuran  
 {EPA 8270} Dibenzo(a,h)anthracene  
 {EPA 8270} Diethyl phthalate  
 {EPA 8270} Dimethyl phthalate  
 {EPA 8270} Fluoranthene  
 {EPA 8270} Fluorene  
 {EPA 8270} Hexachlorobenzene  
 {EPA 8270} Hexachlorobutadiene  
 {EPA 8270} Hexachlorocyclopentadiene  
 {EPA 8270} Hexachloroethane  
 {EPA 8270} Indeno(1,2,3-cd) pyrene  
 {EPA 8270} Isophorone  
 {EPA 8270} N-nitroso-di-n-propylamine (NDPA)  
 {EPA 8270} N-nitrosodiethylamine (NDEA)  
 {EPA 8270} N-nitrosodimethylamine (NDMA)  
 {EPA 8270} N-Nitrosodiphenylamine  
 {EPA 8270} Naphthalene  
 {EPA 8270} Nitrobenzene  
 {EPA 8270} Pentachlorophenol  
 {EPA 8270} Phenanthrene  
 {EPA 8270} Phenol  
 {EPA 8270} Pyrene  
 {EPA 8270} Pyridine  
 {EPA 8290} 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
 {EPA 8290} 1,2,3,4,6,7,8-Heptachlorodibenzofuran  
 {EPA 8290} 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)  
 {EPA 8290} 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)  
 {EPA 8290} 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
 {EPA 8290} 1,2,3,4,7,8-Hexachlorodibenzofuran  
 {EPA 8290} 1,2,3,4,7,8,9-Heptachlorodibenzofuran  
 {EPA 8290} 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
 {EPA 8290} 1,2,3,6,7,8-Hexachlorodibenzofuran  
 {EPA 8290} 1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
 {EPA 8290} 1,2,3,7,8-Pentachlorodibenzofuran  
 {EPA 8290} 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)  
 {EPA 8290} 1,2,3,7,8,9-Hexachlorodibenzofuran  
 {EPA 8290} 2,3,4,6,7,8-Hexachlorodibenzofuran  
 {EPA 8290} 2,3,4,7,8-Pentachlorodibenzofuran  
 {EPA 8290} 2,3,7,8-Tetrachlorodibenzo-p-dioxin  
 {EPA 8290} 2,3,7,8-Tetrachlorodibenzofuran  
 {EPA 8290} Total Heptachlorodibenzo-p-dioxin  
 {EPA 8290} Total Heptachlorodibenzofuran  
 {EPA 8290} Total Hexachlorodibenzo-p-dioxin  
 {EPA 8290} Total Hexachlorodibenzofuran

## ENVIRONMENTAL LABORATORY ACCREDITATION

## RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8290} Total Pentachlorodibenzo-p-dioxin

{EPA 8290} Total Pentachlorodibenzofurane

{EPA 8290} Total Tetrachlorodibenzo-p-dioxin

{EPA 8290} Total Tetrachlorodibenzofuran

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY HPLC)**

{EPA 8330} 1,3-Dinitrobenzene

{EPA 8330} 1,3,5-Trinitrobenzene

{EPA 8330} 2-Amino-4,6-dinitrotoluene

{EPA 8330} 2-Nitrotoluene (ortho-Nitrotoluene)

{EPA 8330} 2,4-Dinitrotoluene (2,4-DNT)

{EPA 8330} 2,4,6-Trinitrotoluene (TNT)

{EPA 8330} 2,6-Dinitrotoluene

{EPA 8330} 3-Nitrotoluene (meta-Nitrotoluene)

{EPA 8330} 4-Amino-2,6-dinitrotoluene

{EPA 8330} 4-Nitrotoluene (para-Nitrotoluene)

{EPA 8330} Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)

{EPA 8330} Methyl-2,4,6-trinitrophenylnitramine

{EPA 8330} Nitrobenzene

{EPA 8330} Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)

**\*\*SUPPLEMENTAL**

{KS LRH} KS LRH

{KS MRH/HRH} KS MRH/HRH

**\*\*TOTAL PETROLEUM HYDROCARBONS**

{EPA 8015} DRO

{EPA 8015} GRO

**End of Parameter List**



Kansas Health & Environmental Laboratories  
Environmental Laboratory Improvement Program  
6810 SE Dwight Street  
Topeka, KS 66620-0001



Phone: 785-296-3811  
Fax: 785-296-1638  
shoffman@kdheks.gov

Susan Mosier, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor



July 13, 2016

E-10413  
SHARON DEHMLOW  
APPL, INC.  
908 NORTH TEMPERANCE AVENUE  
CLOVIS, CA 93611-8606

Dear SHARON DEHMLOW:

Enclosed please find your NELAP certificate of accreditation. Also, note the effective and expiration dates of your new accreditation and be sure to review the parameters listed. It is possible your laboratory applied for parameters not listed on the enclosed accreditation. Those parameters have been denied. If there are any questions concerning the parameters listed, contact Katherine Vannicola at (785) 296-3811.

It is essential the laboratory accreditation officer be notified within 30 days of any changes in laboratory director, methods which involve a change in technology, change in ownership, or change in location.

Information for re-accreditation will be emailed approximately five (5) months prior to the expiration date of your current accreditation.

Sincerely,

Sara Hoffman  
Section Chief  
Environmental Laboratory Certifications

Enclosure/s