

Iowa Department of Natural Resources Laboratory Certification

This is to certify that
Underwriters Laboratories Inc.

110 South Hill Street
South Bend, IN 46617

IA Lab #098

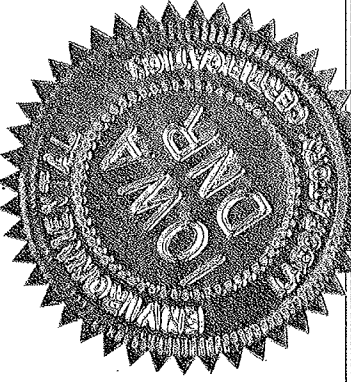
has complied with 567 Iowa Administrative Code Chapter 83 and is
certified to analyze samples for some or all of the analytes in the following programs:

Safe Drinking Water Act (SDWA)

The specific analytes and methods that have been certified are contained on the "Approved Parameter List"
attached to the above-named laboratory's most current letter of certification.

**Effective 10/26/2011
Expires 11/01/2013**

*Certification status may change during the certificate
period and possession of this certificate does not provide
authority to analyze samples or use methods other than
those specified in the most recent letter of certification
from the Iowa Department of Natural Resources.*



Joe Zerfas, Certification Officer

CHANGES FROM PRIOR CERTIFICATE

Prog.	Cont. ID #	Contaminant Name	Method	Method Code	Status
SDWA	1011	Bromate	317.0	317.0	Certified
SDWA	1080	Chromium VI (Dissolved)	218.6 Rev 3.3 (1994)	218.6	Certified
SDWA	1084	Molybdenum	200.8 Rev 5.4 (1994)	200.8	Certified
SDWA	1039	Perchlorate	331.0	331.0	Certified
SDWA	1088	Vanadium	200.8 Rev 5.4 (1994)	200.8	Certified
SDWA	1024	Cyanide	10-204-00-1-A	10-204-00-1A	Certified
SDWA	2047	Aldicarb	531.2	531.2	Certified
SDWA	2044	Aldicarb Sulfone	531.2	531.2	Certified
SDWA	2043	Aldicarb Sulfoxide	531.2	531.2	Certified
SDWA	2046	Carbofuran (Furadan)	531.2	531.2	Certified
SDWA	2036	Oxamyl	531.2	531.2	Certified
SDWA	2021	Carbaryl	531.2	531.2	Certified
SDWA	2066	3-Hydroxycarbofuran	531.2	531.2	Certified
SDWA	2022	Methomyl	531.2	531.2	Certified
SDWA	4020	Radium 226	7500-Ra B	7500-RAB	Certified
SDWA	4010	Radium 226 & 228, Combined	7500-Ra D	7500-RAB/RAD	Certified
SDWA	4030	Radium 228	7500-Ra D	7500-RAD	Certified
SDWA	4102	Tritium	906.0	906.0	Certified
SDWA	4006	Combined Uranium	200.8 Rev 5.4 (1994)	200.8	Certified

End of list.

(Refer to the UHL evaluation report for additional information regarding status.)

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
SDWA-IOC - Lead/Copper Regulated (COMPLETE group)					
1030	Lead	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1022	Copper	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
SDWA-IOC - A/S #1 Regulated (COMPLETE group)					
1074	Antimony	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1005	Arsenic	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1010	Barium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1075	Beryllium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1015	Cadmium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1020	Chromium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1025	Fluoride	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1025	Fluoride	SM	4500-F C (ISE)	Certified	4500F-C
1025	Fluoride	OTHR	380-75WE	Certified	380-75WE
1035	Mercury	EPA	245.1 Rev 3.0 (1994)	Certified	245.1
1036	Nickel	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1045	Selenium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1052	Sodium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1085	Thallium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
SDWA-IOC - Nitrate/Nitrite Regulated (COMPLETE group)					
1040	Nitrate (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1040	Nitrate (as N)	EPA	353.2 Rev 2.0 (1993)	Certified	353.2
1041	Nitrite (as N)	EPA	353.2 Rev 2.0 (1993)	Certified	353.2
SDWA-IOC - A/S #1 Unregulated (INCOMPLETE group)					
1011	Bromate	EPA	317.0	Certified	317.0
1080	Chromium VI (Dissolved)	EPA	218.6 Rev 3.3 (1994)	Certified	218.6
1028	Iron	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1031	Magnesium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1032	Manganese	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1032	Manganese	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1084	Molybdenum	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1039	Perchlorate	EPA	314.0	Certified	314.0
1039	Perchlorate	EPA	331.0	Certified	331.0
1042	Potassium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1055	Sulfate	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1088	Vanadium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1095	Zinc	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
SDWA-IOC - A/S #1 Regulated CN (COMPLETE group)					
1024	Cyanide	EPA	335.4 Rev 1.0 (1993)	Certified	335.4
1024	Cyanide	QCHEM	10-204-00-1-A	Certified	10-204-00-1A
SDWA-IOC - A/S #2 Regulated (COMPLETE group)					
1011	Bromate	EPA	300.1 Rev 1.0 (1997)	Certified	300.1
1004	Bromide	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1009	Chlorite	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
2919	DOC	SM	5310 C (Oxidation)	Certified	5310C

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2920	Total Organic Carbon (TOC)	SM	5310 C (Oxidation)	Certified	5310C
2922	UV absorbance at 254 nm (UV-254)	SM	5910 B	Certified	5910B

SDWA-IOC - Other Excluded (INCOMPLETE group)

1050	Silver	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1050	Silver	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1927	Alkalinity, Total	SM	2320 B	Certified	2320B
1919	Calcium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1017	Chloride	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1064	Conductivity	SM	2510 B	Certified	2510B
1997	Langelier Index	SM	2330A&B	Certified	2330B
1915	Hardness (Total as CaCO3)	SM	2340 B	Certified	2340B
1031	Magnesium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1044	Orthophosphate (as P)	SM	4500-P E (18, 19, 20)	Certified	4500P-E
1925	pH	EPA	150.1 (SDWA only)	Certified	150.1
1042	Potassium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1930	Residue-Filterable (TDS)	SM	2540 C	Certified	2540C
1049	Silica	EPA	200.7 Rev 4.4 (1994)	Certified	200.7

SDWA-PHY - Other Unregulated (COMPLETE group)

100	Turbidity	EPA	180.1 Rev 2.0 (1993)	Certified	180.1
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SDWA-ICR - A/S #1 Regulated (INCOMPLETE group)

1925	pH	EPA	150.1 (SDWA only)	Certified	150.1
1927	Alkalinity, Total	SM	2320 B	Certified	2320B
100	Turbidity	EPA	180.1 Rev 2.0 (1993)	Certified	180.1
1919	Calcium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
	Total Residual Chlorine	SM	4500-CI G	Certified	NA
2950	Trihalomethanes (Total)	EPA	524.2	Certified	524.2
2950	Trihalomethanes (Total)	EPA	551.1	Certified	551.1

SDWA-VOC - TTHM Regulated (COMPLETE group)

2950	Trihalomethanes (Total)	EPA	524.2	Certified	524.2
2943	Bromodichloromethane	EPA	524.2	Certified	524.2
2943	Bromodichloromethane	EPA	551.1	Certified	551.1
2942	Bromoform	EPA	524.2	Certified	524.2
2942	Bromoform	EPA	551.1	Certified	551.1
2944	Chlorodibromomethane	EPA	524.2	Certified	524.2
2944	Chlorodibromomethane	EPA	551.1	Certified	551.1
2941	Chloroform	EPA	524.2	Certified	524.2
2941	Chloroform	EPA	551.1	Certified	551.1

SDWA-VOC - A/S #1 Regulated (COMPLETE group)

2990	Benzene	EPA	524.2	Certified	524.2
2982	Carbon tetrachloride	EPA	524.2	Certified	524.2
2968	o-Dichlorobenzene (1,2)	EPA	524.2	Certified	524.2
2969	p-Dichlorobenzene (1,4)	EPA	524.2	Certified	524.2
2980	1,2-Dichloroethane	EPA	524.2	Certified	524.2
2380	cis-1,2-Dichloroethene	EPA	524.2	Certified	524.2
2977	1,1-Dichloroethene	EPA	524.2	Certified	524.2

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2979	trans-1,2-Dichloroethene	EPA	524.2	Certified	524.2
2964	Dichloromethane	EPA	524.2	Certified	524.2
2983	1,2-Dichloropropane	EPA	524.2	Certified	524.2
2992	Ethylbenzene	EPA	524.2	Certified	524.2
2989	Chlorobenzene	EPA	524.2	Certified	524.2
2996	Styrene	EPA	524.2	Certified	524.2
2987	Tetrachloroethene	EPA	524.2	Certified	524.2
2991	Toluene	EPA	524.2	Certified	524.2
2378	1,2,4-Trichlorobenzene	EPA	524.2	Certified	524.2
2981	1,1,1-Trichloroethane	EPA	524.2	Certified	524.2
2985	1,1,2-Trichloroethane	EPA	524.2	Certified	524.2
2984	Trichloroethene	EPA	524.2	Certified	524.2
2976	Vinyl Chloride	EPA	524.2	Certified	524.2
2955	Xylenes (Total)	EPA	524.2	Certified	524.2

SDWA-VOC - A/S #1 Unregulated (COMPLETE group)

2993	Bromobenzene	EPA	524.2	Certified	524.2
2943	Bromodichloromethane	EPA	524.2	Certified	524.2
2942	Bromoform	EPA	524.2	Certified	524.2
2214	Bromomethane	EPA	524.2	Certified	524.2
2944	Chlorodibromomethane	EPA	524.2	Certified	524.2
2216	Chloroethane	EPA	524.2	Certified	524.2
2941	Chloroform	EPA	524.2	Certified	524.2
2210	Chloromethane	EPA	524.2	Certified	524.2
2965	o-Chlorotoluene	EPA	524.2	Certified	524.2
2966	p-Chlorotoluene	EPA	524.2	Certified	524.2
2408	Dibromomethane	EPA	524.2	Certified	524.2
2967	m-Dichlorobenzene	EPA	524.2	Certified	524.2
2978	1,1-Dichloroethane	EPA	524.2	Certified	524.2
2412	1,3-Dichloropropane	EPA	524.2	Certified	524.2
2416	2,2-Dichloropropane	EPA	524.2	Certified	524.2
2413	1,3-Dichloropropene (cis & trans)	EPA	524.2	Certified	524.2
2410	1,1-Dichloropropene	EPA	524.2	Certified	524.2
2986	1,1,1,2-Tetrachloroethane	EPA	524.2	Certified	524.2
2988	1,1,2,2-Tetrachloroethane	EPA	524.2	Certified	524.2
2414	1,2,3-Trichloropropane	EPA	524.2	Certified	524.2

SDWA-VOC - A/S #1 Discretionary (COMPLETE group)

2430	Bromochloromethane	EPA	524.2	Certified	524.2
2422	n-Butylbenzene	EPA	524.2	Certified	524.2
2426	tert-Butylbenzene	EPA	524.2	Certified	524.2
2428	sec-Butylbenzene	EPA	524.2	Certified	524.2
2212	Dichlorodifluoromethane	EPA	524.2	Certified	524.2
2246	Hexachlorobutadiene	EPA	524.2	Certified	524.2
2994	Isopropylbenzene	EPA	524.2	Certified	524.2
2030	p-Isopropyltoluene	EPA	524.2	Certified	524.2
2248	Naphthalene	EPA	524.2	Certified	524.2
2998	n-Propylbenzene	EPA	524.2	Certified	524.2
2420	1,2,3-Trichlorobenzene	EPA	524.2	Certified	524.2
2218	Fluorotrichloromethane	EPA	524.2	Certified	524.2

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2418	1,2,4-Trimethylbenzene	EPA	524.2	Certified	524.2
2424	1,3,5-Trimethylbenzene	EPA	524.2	Certified	524.2
SDWA-SOC - HAA Regulated (COMPLETE group)					
2453	Monobromoacetic acid	EPA	552.2	Certified	552.2
2454	Dibromoacetic acid	EPA	552.2	Certified	552.2
2450	Monochloroacetic acid	EPA	552.2	Certified	552.2
2451	Dichloroacetic acid	EPA	552.2	Certified	552.2
2452	Trichloroacetic acid	EPA	552.2	Certified	552.2
2456	Haloacetic acid (total)	EPA	552.2	Certified	552.2
SDWA-SOC - A/S #1 Regulated (INCOMPLETE group)					
2959	Chlordane	EPA	505	Certified	505
2005	Endrin	EPA	525.2	Certified	525.2
2065	Heptachlor	EPA	525.2	Certified	525.2
2067	Heptachlor epoxide	EPA	525.2	Certified	525.2
2274	Hexachlorobenzene	EPA	525.2	Certified	525.2
2042	Hexachlorocyclopentadiene	EPA	525.2	Certified	525.2
2010	Lindane	EPA	525.2	Certified	525.2
2015	Methoxychlor	EPA	525.2	Certified	525.2
2020	Toxaphene	EPA	505	Certified	505
2388	Aroclor 1016	EPA	505	Certified	505
2390	Aroclor 1221	EPA	505	Certified	505
2392	Aroclor 1232	EPA	505	Certified	505
2394	Aroclor 1242	EPA	505	Certified	505
2396	Aroclor 1248	EPA	505	Certified	505
2398	Aroclor 1254	EPA	505	Certified	505
2400	Aroclor 1260	EPA	505	Certified	505
SDWA-SOC - A/S #1 Unregulated (COMPLETE group)					
2356	Aldrin	EPA	525.2	Certified	525.2
2070	Dieldrin	EPA	525.2	Certified	525.2
SDWA-SOC - A/S #2 Regulated (COMPLETE group)					
2047	Aldicarb	EPA	531.1	Certified	531.1
2047	Aldicarb	EPA	531.2	Certified	531.2
2044	Aldicarb Sulfone	EPA	531.1	Certified	531.1
2044	Aldicarb Sulfone	EPA	531.2	Certified	531.2
2043	Aldicarb Sulfoxide	EPA	531.1	Certified	531.1
2043	Aldicarb Sulfoxide	EPA	531.2	Certified	531.2
2046	Carbofuran (Furadan)	EPA	531.1	Certified	531.1
2046	Carbofuran (Furadan)	EPA	531.2	Certified	531.2
2036	Oxamyl	EPA	531.1	Certified	531.1
2036	Oxamyl	EPA	531.2	Certified	531.2
SDWA-SOC - A/S #2 Unregulated (COMPLETE group)					
2021	Carbaryl	EPA	531.1	Certified	531.1
2021	Carbaryl	EPA	531.2	Certified	531.2
2066	3-Hydroxycarbofuran	EPA	531.1	Certified	531.1
2066	3-Hydroxycarbofuran	EPA	531.2	Certified	531.2

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2022	Methomyl	EPA	531.1	Certified	531.1
2022	Methomyl	EPA	531.2	Certified	531.2
SDWA-SOC - A/S #3 Regulated (COMPLETE group)					
2105	2,4-D	EPA	515.3	Certified	515.3
	Dacthal diacid (DCPA)	EPA	515.3	Certified	515.3
2031	Dalapon	EPA	515.3	Certified	515.3
2041	Dinoseb (DNBP)	EPA	515.3	Certified	515.3
2326	Pentachlorophenol	EPA	515.3	Certified	515.3
2040	Picloram (Tordon)	EPA	515.3	Certified	515.3
2110	2,4,5-TP (Silvex)	EPA	515.3	Certified	515.3
SDWA-SOC - A/S #3 Unregulated (COMPLETE group)					
2440	Dicamba (Banvel)	EPA	515.3	Certified	515.3
SDWA-SOC - A/S #4 Regulated (COMPLETE group)					
2051	Alachlor (Lasso)	EPA	525.2	Certified	525.2
2050	Atrazine	EPA	525.2	Certified	525.2
2037	Simazine	EPA	525.2	Certified	525.2
SDWA-SOC - A/S #4 Unregulated (COMPLETE group)					
2076	Butachlor	EPA	525.2	Certified	525.2
2045	Metolachlor (Dual)	EPA	525.2	Certified	525.2
2595	Metribuzin (Sencor)	EPA	525.2	Certified	525.2
2077	Propachlor	EPA	525.2	Certified	525.2
SDWA-SOC - A/S #5 Regulated (COMPLETE group)					
2931	1,2-Dibromo-3-chloropropane (DBCP)	EPA	504.1	Certified	504.1
2946	1,2-Dibromoethane (EDB)	EPA	504.1	Certified	504.1
SDWA-SOC - A/S #6 Regulated (COMPLETE group)					
2035	Di(2-ethylhexyl)adipate	EPA	525.2	Certified	525.2
2039	Di(2-ethylhexyl)phthalate	EPA	525.2	Certified	525.2
SDWA-SOC - A/S #7 Regulated (COMPLETE group)					
2306	Benzo(a)pyrene	EPA	525.2	Certified	525.2
SDWA-SOC - A/S #8 Regulated (COMPLETE group)					
2034	Glyphosate	EPA	547	Certified	547
SDWA-SOC - A/S #9 Regulated (COMPLETE group)					
2032	Diquat	EPA	549.2	Certified	549.2
SDWA-SOC - A/S #10 Regulated (COMPLETE group)					
2033	Endothall	EPA	548.1	Certified	548.1
SDWA-SOC - A/S #11 Regulated (COMPLETE group)					
2063	2,3,7,8-TCDD (Dioxin)	EPA	1613	Certified	1613

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
SDWA-RAD - Regulated (INCOMPLETE group)					
4000	Gross Alpha Excluding Uranium	SM	7110 B	Certified	7110B/200.8
4000	Gross Alpha Excluding Uranium	SM	7110 C	Certified	7110C/200.8
4002	Gross Alpha Including Uranium	SM	7110 B	Certified	7110B
4002	Gross Alpha Including Uranium	SM	7110 C	Certified	7110C
4100	Gross Beta	SM	7110 B	Certified	7110B
4020	Radium 226	SM	7500-Ra B	Certified	7500-RAB
4010	Radium 226 & 228, Combined	SM	7500-Ra D	Certified	7500-RAB/RAD
4030	Radium 228	SM	7500-Ra D	Certified	7500-RAD
4102	Tritium	EPA	906.0	Certified	906.0
4006	Combined Uranium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8

End of list.

(If status is Provisional, refer to the UHL evaluation report for description and required action to upgrade status to Certified.)

PERSONNEL AND REPORTING REQUIREMENTS

Personnel:

Dale Piechocki, QA Officer	Jeffery B. Smith, General Manager
Yongtao Li, Technical Director	Nathan Throwbridge, Customer Service Manager
Rhonda Day, Custom Analytical Services	

Reporting Requirements:

SDWA Reporting:

Refer to paragraph 567--IAC 83.6(6)"a". Certified laboratories must report to IDNR all analytical test results for all public water supplies.

- Reporting format: Results must be reported in an electronic format acceptable to the department. Instructions for electronic reporting are contained within a document entitled "Certified Environmental Lab Reporting for the Safe Drinking Water Act (SDWIS)".
- Method Codes: The Safe Drinking Water Information System (SDWIS) reporting code, for each method listed in the parameter list of this certificate, must be used when reporting analytical results to the department.
- Reporting frequency: Laboratories must electronically report weekly. Additionally, results must be received no later than the 7th of the month following the month in which the samples were analyzed.
- Reporting unsafe samples: In addition to monthly reporting, unsafe sample results must be reported within 24 hours after analysis by either fax or email.

Unsafe bacterial samples are considered to be positive routine sample results and results of associated repeat samples.

Unsafe chemical samples are considered to be chemical samples exceeding the MCL and results of associated confirmation samples.

FAX: Fax to 515/725-0287 (alternate number: 515/725-0348) in the format provided or approved by the department.

EMAIL: Email to labfax@dnr.iowa.gov in the format provided or approved by the department.

Note: The bacterial samples subject line must state the words "Positive Bacterial Report for FO {insert field office number}"
The chemical samples subject line must state the words "Chemical Exceedance for FO {insert field office number}"

RECOMMENDATION FROM UHL

To: IDNR
From: UHL Laboratory Appraisal Officers

This recommendation is in accordance with Chapter 83 of the Iowa Administrative Code (IAC-567) for the analyte(s) and method(s) listed in the letter of certification.

LABORATORY INFORMATION

Contact Name	Phone Number	Fax Number
Dale Piechocki, Laboratory Contact	574/472-5523	574/233-8207
Ted McNally, Data Processing	574/472-5569	574/233-8207

Date Fee Paid	Amount Paid	Program	Date Fee Expires
10/18/2011	\$800.00	SDWA Dioxin	11/01/2013
10/18/2011	\$1600.00	SDWA Inorganic Chemicals (IOC)	11/01/2013
10/18/2011	\$400.00	SDWA Radionuclides	11/01/2013
10/18/2011	\$1600.00	SDWA Synthetic Organic Chemicals (SOC)	11/01/2013
10/18/2011	\$1600.00	SDWA Volatile Organic Chemicals	11/01/2013

Program	Date of Iowa onsite	Resident state onsite	Resident state certification expires
SDWA		08/11/2011	09/30/2011

EVALUATION REPORT

The equipment and procedures employed in the microbiological and/or chemical analyses of environmental samples by this laboratory conformed to the provisions in the *"Manual for the Certification of Laboratories Analyzing Environmental Samples for the Iowa Department of Natural Resources"* (2003) except for the items indicated. Chapter 1 of the manual pertains to certification of laboratories analyzing samples of drinking water and incorporates by reference the *"Manual for the Certification of Laboratories Analyzing Drinking Water: Criteria and Procedures, Quality Assurance, Fifth Edition, January 2005"* available at <http://www.epa.gov/safewater/labcert/index.html>. Chapter 2 pertains to laboratories analyzing samples for the underground storage tank program. Chapter 3 pertains to laboratories analyzing samples for the wastewater and sewage sludge disposal programs. Chapter 4 pertains to the laboratories analyzing samples for the solid waste and contaminated site programs.

This report is divided into several sections dealing with aspects of laboratory operations. Deficiencies noted during the evaluation are enumerated followed by recommendations and comments (if applicable). Some deficiencies address requirements that must have documented corrective actions completed within a specific time period as indicated in the "REQUIRED ACTIONS" section(s) of the narrative. Other deficiencies address explicit or implicit requirements of the regulation or method that must be corrected and will be verified during future onsite visits. Some of the recommendations presented concern good laboratory practices and should be carefully considered and implemented whenever possible. Comments address special circumstances or information pertinent to the laboratory.

This report was generated for the Iowa Department of Natural Resources under the Environmental Laboratory Certification Program by the University Hygienic Laboratory. The evaluation was conducted by Lee Friell.

State Hygienic Laboratory
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Ankeny, IA 50021
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State Hygienic Laboratory
U of I Research Park
Iowa City, IA 52242
319/335-4500

1 GENERAL

It is recommended that the certification of this laboratory be updated to include the analytes listed on page 2 of this report due to the request of the laboratory. The analytes are listed on the Florida Certificate and the laboratory has submitted copies of acceptable PT results.

1.1 Personnel

Name	Title	Education	Essential
Dale Piechocki	QA Officer	BS.	Yes
Jeffery B. Smith	General Manager		Yes
Yongtao Li	Technical Director	PhD.	Yes
Nathan Throwbridge	Customer Service Manager	BS.	Yes
Rhonda Day	Custom Analytical Services	BS.	Yes
Ray Siery	Inorganic Manager		
Matt Hartz	Organic Sample Prep		

2 CONCLUSIONS

It is recommended this laboratory be certified to analyze environmental samples and report the results for the parameters listed in the attached letter of certification issued by the Iowa Department of Natural Resources, Environmental Services Division. This certification is contingent upon continued satisfactory performance of annual proficiency testing samples and future evaluations. Items indicated as deficiencies must be corrected. Questions or concerns should be addressed to the appraisal officer(s).