



Coulee Region Environmental, LLC

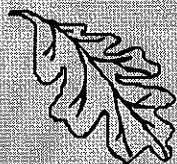
123 North 4th Street - Suite 202 • La Crosse, Wisconsin • Phone (608) 784-5688 • FAX (608) 784-7350

**ASBESTOS, LEAD, HAZMAT
PRE-DEMOLITION
BUILDING INSPECTION &
BULK SAMPLING
REPORT**

**City of La Crosse
Park Department**

**Municipal Pool Bath House
1901 Campbell Road
La Crosse, WI.**

April 18, 2016



Pre-Demo Building Inspection & Bulk Sampling Report

City of La Crosse
Municipal Pool Bath House
1901 Campbell Road
La Crosse, Wisconsin

CRE Project Number: AS164818

April 18, 2016

Prepared For:

Dan Trussoni
City of La Crosse Park Department
400 La Crosse Street
La Crosse, WI. 54601

Prepared By:

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123 North 4th Street
La Crosse, Wisconsin 54601
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A handwritten signature in cursive script, reading "Richard Stickler".

Richard Stickler, CIH

Wisconsin Asbestos Inspector/Mgmt. Planner No. AII/AMP-425

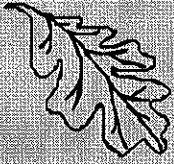


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AIHA Accreditation, NLLAP, Env. Lead

**ASBESTOS PRE-DEMOLITION BUILDING INSPECTION
AND BULK SAMPLING
MUNICIPAL POOL,
LA CROSSE, WI
for
CITY OF LA CROSSE
PARKS & RECREATION DEPT.**

**CRE Project # AS164818
April 18, 2016**

Background

Asbestos pre-demolition building inspection and bulk sampling was performed at the City of La Crosse Municipal Pool, 1901 Campbell Road, City of La Crosse, La Crosse County, Wisconsin, between March 25th, 2016 and April 18, 2016. This inspection and bulk sampling investigation was performed by Coulee Region Environmental LLC of La Crosse, Wisconsin. The property is owned and operated by the City of La Crosse, Parks & Recreation Department. This investigation was performed for the purpose of determining the presence, quantities and types of asbestos containing materials (hereafter, ACMs) and the approximate cost to have them removed by a qualified asbestos abatement contractor. Also for the presence of lead based paint on masonry materials and to a lesser degree to provide HAZMAT Checklists for hazardous materials, equipment and appliances that may be present and information, checklists for removal of these types of materials that will be required for future planning in the event that the facility is demolished or renovated.

During the inspection process, suspect ACMs and their friability were identified. The State of Wisconsin, the U.S. EPA and U.S Dept of Labor – OSHA, each have specific standards for identification, hazard communication, abatement and disturbance of asbestos containing materials involved in renovation and demolition projects. In addition, the Wisconsin Department of Natural Resources (hereafter, WDNR) has specific statues/regulations for removal of asbestos containing materials and their proper disposal, prior to demolition of a building in the State Administrative Code NR 447. This report will identify which building materials do and do not contain asbestos, which materials are recommended to be removed by a qualified asbestos abatement contractor and the approximate cost for the asbestos abatement contractor. Painted masonry surfaces will be identified and sampled for lead based paint, which may significantly affect disposal and recycling costs for painted masonry materials on the building. In addition, any material solid or hazardous material that will need to be removed from the building prior to the demo can be identified using the WDNR Pre-Demolition Environmental Checklist, WDNR Publication WA-651-07 (attached).

The original building is reported to have been built sometime around 1938. Renovations occurred at this facility in 1976.

Methods and Materials

Asbestos

A room-by-room inspection and bulk sampling was performed throughout the Subject Property, visually noting the presence of and physically touching the material to determine the friability and condition of suspect Asbestos Containing Materials (ACMs) inventoried during the inspection. The inspection and bulk sampling was performed by Rick Stickler, CIH, State of Wisconsin Asbestos Inspector and Management Planner Accreditation Nos. AII-425 and AMP 425, respectively.

Sampling techniques were performed in accordance with EPA 40 CFR Part 763.86. During the inspection phase, materials suspect for asbestos content were identified. Two samples of each "suspect" homogeneous material per homogeneous area were collected in order to determine if asbestos is or is not present in amounts greater than 1% by volume in miscellaneous suspect materials. Where surfacing material is present, the number of samples to be collected to be statistically significant is based upon the square footage of the surfacing material. Thermal System Insulation requires 3 negative samples to disprove the material for asbestos. More than one sample negative for asbestos content for miscellaneous materials is necessary to determine that a suspect material is negative, or not containing asbestos. If asbestos is present in concentrations greater than 1% in any of the samples, then the material is considered to be asbestos containing material (ACM). This method is understood and accepted by the U.S. EPA, and the Wisconsin Departments of Health Services and Natural Resources. OSHA considers any amount of asbestos significant, basing exposure and regulated area requirements upon personal air monitoring for asbestos.

All samples were collected via wet methods and then double bagged as required by the aforementioned standard. Each bag was labeled with a bulk sample number. The samples were then transcribed onto the Bulk Sample Log Form with the sample number, sample location, date collected, project number, name of person performing the sampling, building address, and facility identification. Sample locations were marked on building materials with a water resistant marker. Please refer to Attachment Section to review Bulk Sample Log Forms, EMSL Analytical, Inc. Reports and pertinent certifications. The laboratory will layer samples that have distinctively different layered appearance. CRE has no control over how a laboratory layers its sample analysis.

Using proper chain of custody, the samples were mailed to EMSL Analytical of Indianapolis, Indiana, a certified laboratory with accreditations from the American Industrial Hygiene Association (AIHA) and the National Voluntary Laboratory Accreditation Program (NVLAP). The samples were analyzed using Polarized Light Microscopy (PLM) and Dispersion Staining Techniques using EPA Method 600. Samples that are reported by the lab to contain "Trace" amounts of asbestos (not greater than 1% asbestos) are considered inconclusive by the state. Additional analysis using an EPA 400 Point Count Method may be necessary with certain materials that are determined to be inconclusive. The general bulk sampling analysis technique used (EPA Method 600) has poor reliability at the 0 to 10% range. EPA PLM 400 Point Count Method is more reliable in this range and is recognized by the Wisconsin Dept. of Natural Resources, Air Quality Division. Results of a point count analysis that are not greater than 1% asbestos would disprove the materials for asbestos content.

Lead

All painted masonry samples were collected down to surface material substrates using a stainless steel chisel, then double bagging the collected material as required by the analyzing laboratory. Each bag was labeled with a bulk sample number. The samples were then transcribed onto the Bulk Sample Log Form with the sample number, sample location, type of sample, type of substrate, color, area sampled, date collected, project number, name of person performing the sampling, building address, and facility identification. Sample locations were marked on the building materials with a water resistant marker. Separate disposable vinyl gloves were utilized for each sample and discarded and re-gloved after each sample. Sample tools were decontaminated with a new pre-moistened wipe (Ghost Wipe) between each sample to prevent cross contamination of samples.

Using proper chain of custody, the samples were mailed to EMSL Analytical of Indianapolis, Indiana, a certified laboratory with accreditations from the American Industrial Hygiene Association (AIHA) National Lead Laboratory Accreditation Program (NLLAP). The samples were analyzed for lead in paint chips using Flame Atomic Absorption Spectrometry, Methods SW 846 3050B/700B. Please refer to Attachment Section to review Lead Sample Log Forms, EMSL Analytical, Inc Reports, pertinent certifications and chain-of custody forms. Lead based paint in Wisconsin/EPA/HUD is defined as containing 0.5% lead by weight (as a paint chip sample) and/or 1.0 mg/cm² if using an X-Ray Fluorescence detector (XRF).

Please refer to Attachment Section to review Bulk Sample Log Forms, EMSL Analytical, Inc. Reports and pertinent certifications.

Findings

Asbestos

For the purposes of asbestos inspection, this building will be treated as one homogeneous construction sampling area. The center portion of this building has a full basement mechanical space with poured concrete foundation walls (painted), poured concrete slab floors (unpainted), with the south half of the basement containing three large sand filter steel tanks (see field drawing). The basement ceiling is steel joist supporting steel mesh with a poured concrete deck above (1st level floor deck), with the bottom underside of the steel joists being plaster and metal lathe over the North half of the basement. The ceiling space above the water filter tanks is open to the structural steel joist ceiling. The basement poured concrete walls are painted grey and the floor is unpainted. The two East and West side bath house sections of the building are built slab on grade with poured concrete floors. They are either unpainted or all paint that was present has worn off over time, with exception of a few rooms. The entire building at ground level on up has brick perimeter walls and plaster and red clay tile walls for interior walls. Ceilings throughout are wood frame and wood deck which originally had a built-up roof which was reported to have been replaced somewhat recently with a conventional rubber membrane and ballast roof on the wood deck. Plaster ceilings finish the underside of ceilings throughout. A decorative texture coat was applied to the plaster interior ceilings in the Men's & Women's Dressing Areas during in the 1976 renovation. Most exterior metal frame windows were replaced during the 1976 renovation with glass block. Several still exist in the chlorination rooms on the East end. Door

frames are wood with suspect caulking and glazing. There is no insulation in the attic crawlspace, where it can be observed in several locations where the plaster ceiling has deteriorated. The pool area has deteriorating concrete and the overflow plumbing for the pool is reported to drain to storm drain. Supply water piping originating in the basement level, except for where identified otherwise, is un-insulated. This piping then distributes through the north foundation wall of the basement, into the pool.

Lead

For the purposes of demolition of the building, painted wood and normal construction materials, will normally be landfilled. However masonry materials are often recycled or re-used due to the cost of disposal due to their weight. The presence of paint or lead based paint may affect if masonry materials may be recycled or not. Typically, lead based painted materials cannot be recycled and must be landfilled, incurring tipping fees where recycling or reuse has no tipping fees. These fees may be significant if enough tons of masonry must be landfilled. At this site, several different masonry materials are painted and have been bulk sampled to determine if they have lead based paint or not.

Hazardous Materials

The basement level contains the majority of mechanical equipment including circulating pump and sand filter systems, a gas water heater and unit heater set-up, old chemical mixing tanks, electrical service boxes and equipment switches, thermostats, exit lights, fire extinguishers, chlorine test kits, pressure gauges, thermocouples and pH adjust tanks utilizing acid.

All of the aforementioned equipment/components should be removed and recycled prior to demolition of the building. Appliances that remain in the building (water heaters, unit heaters, pumps, pump motors contain: thermostats, thermocouples or level trip switches (mercury). All fluorescent light panels contain ballasts (oil/pcb's) fluorescent light tubes (mercury) will need to be removed and recycled. Various household hazardous waste such as oil, lubricants, spray paint, household cleaners, plenty of pool water treatment chemicals (hypochlorite, hydrochloric acid etc.), will need to be removed from the building prior to demolition for resale in other facilities. Any asbestos present including electrical service boxes (if present), should be removed by a Wisconsin Licensed asbestos abatement contractor once the building electrical system is de-energized. Removal and proper disposal of will be required prior to dismantling and demolishing the building (see attached WDNR pre-demolition guidance).

Based on the asbestos, lead and hazmat building inspection, the following materials were identified as suspect for asbestos content:

A. Suspect Materials for Asbestos:

- Plaster wall and ceiling systems, rough & thin coat
- Ceiling Texture, White, Men's & Women's change areas
- Interior Off-White Window Glazing Compound, Metal Frame Windows
- Exterior Off-White/Brown Door Caulking Compound
- Pliable Rope Pipe Insulation Over Center or Bsmt. Mechanical
- Exterior- Grey/Black Roofing Materials (ASSUMED)
- Electrical Service Panels (ASSUMED)
- Incandescent overhead light fixture paper/foil insulation (ASSUMED)

B. Results for Asbestos Samples:

1. Samples testing **positive** or presumed to have asbestos content:
(Material sampled and analyzed as positive for asbestos content, greater than 1% asbestos.)

- Pliable Rope Pipe Insulation Over Center or Bsmt. Mechanical
- Exterior- Grey/Black Roofing Materials (ASSUMED)
- Electrical Service Panels (ASSUMED)
- Incandescent overhead light fixture paper/foil insulation (ASSUMED)

2. Samples **negative** for asbestos content: (see Laboratory Results, Bulk Sample Log Form)

- Plaster wall and ceiling systems, rough & thin coat
- Ceiling Texture, White, Men's & Women's change areas
- Interior Off-White Window Glazing Compound, Metal Frame Windows
- Exterior Off-White/Brown Door Caulking Compound

* Refer to the enclosed Bulk Sample Logs and Laboratory Reports.

C. Suspect Materials for Lead Based Paint on Masonry Materials

- White Painted Brick Walls, Ground Floor Bathrooms
- Grey Painted Concrete Foundation Walls (Interior), Basement
- Grey Painted Concrete Floor

1. Samples testing **positive** for lead based paint content on Masonry Materials:
(Material sampled and analyzed as positive for lead content, greater than 0.5% lead by wt., (see Laboratory Results, Bulk Sample Log Form)

- Grey Painted Concrete Foundation Walls (Interior), Basement

2. Samples **negative** for lead based paint content on Masonry Materials: (see Laboratory Results, Lead Sample Log Form)

- White Painted Brick Walls, Ground Floor Bathrooms
- Grey Painted Concrete Floor (1st Floor Storage)

End of Section

Conclusions

Asbestos Containing Materials

1. There are no Friable asbestos containing regulated materials such as thermal pipe insulation observed to be present in this building. The older Electrical service equipment boxes are assumed to contain asbestos pape (friable)r or transite insulation (non-friable) in the back of the box, but could not be inspected as they are energized. Incandescent overhead light fixtures should be removed by an abatement contractor with any foil/paper insulation removed. Cost estimate, \$10/fixture.

2. Category I, Non-Friable Asbestos Containing Materials – Include the pliable rope pipe insulation wrap around 1 pipe in the center of the basement mechanical room and any Transite or contactsthat may be found inside of electrical service boxes or switches (see above). Since this building is still in service, a roof core sample for non-friable asbestos was not collected due to the likelihood of creating a leaking roof. The roofing materials will need to be assumed to contain asbestos until bulk sampling proves otherwise. If the roof was completely replacing including the original built up roofing, no ACM is likely to remain. This cannot be determined until a roof core sample is collected. The mentioned above, there is a possibility that there may be some Transite (Category II-Non-friable (cement-like) within old electrical boxes that need to be inspected but are energized at the time of inspection. There were no materials observed to be present that at suspect Category II non-friable asbestos materials (Transite). Abatement of old, large electrical boxes is estimated at \$95/box and Small boxes and switches at \$35/box.

3. Materials that were bulk sampled and listed as negative for asbestos content need no further action and may be demolished with the building.

4. No vermiculite (or other type) insulation was observed in the attic, foundation wall or walls of this building.

Hazardous Materials

5. Thermostats and thermocouples (water heater, unit heaters) are present and are likely to contain mercury and other heavy metals. Pressure switches, pressure gauges (mercury) and electric motors are also present and need to be removed prior to demolition of the building. Refrigerants, halons and other greenhouse gases from the fire extinguishers, present in this building should have charges removed by qualified technician personnel prior to salvaging and dismantling activities in accordance with Wisconsin Administrative Code (DNR) NR 488.

6. Fluorescent light bulb tubes and light ballasts are present and will need to be removed and recycled prior to dismantling and demolition activities. Do not break the fluorescent tubes. This will cause mercury contamination and higher disposal costs at the site. Various household hazardous waste such as cleaning compounds, paint, etc., will need to be removed from the buildings prior to demolition. Switches, transformers, fluorescent light ballasts and any remaining appliances should have PCB content verified from any capacitors present. Remaining pool chemicals (hypolchlorite, chlorine, hydrochloric acid, etc. will need to reused at other pool locations.

7. The grey painted basement concrete foundation tested positive for lead based paint at 3.5% by wt. This concrete will need to be landfilled and cannot be recycled. Landfill tipping fees would apply. Recycling as clean concrete may be an option if the lead paint was abated by a qualified contractor. Cost per ton for disposal is the economic factor when dealing with lead painted concrete. The larger the volume (and weight) of painted concrete, the more economically feasible that lead paint abatement is. A cost-benefit analysis may be a good idea depending upon the cost per ton for disposal tipping fees at La Crosse County Landfill.

Recommendations

Specific Recommendations are as follows:

Asbestos Containing Materials

1. Have a Wisconsin Licensed Asbestos Abatement Contractor remove all pliable rope pipe insulation from the basement level, removal all foil/paper insulation behind incandescent light fixtures, and properly dispose of these materials in a WDNR approved landfill for friable asbestos containing materials. All work should be performed using wet methods.
2. Have CRE or asbestos abatement contractor inspect the electrical equipment for asbestos in these buildings once they have been de-energized. If any asbestos containing materials are reported to be present, have a qualified asbestos abatement contractor remove all friable & regulated asbestos containing materials listed as positive prior to demolition activities. These materials should be disposed in a WDNR Approved Landfill for Asbestos as friable asbestos waste or Construction & Demolition (C & D) waste as applicable. If no asbestos containing materials are found to be present, this equipment should be removed and be reused or recycled prior to demolition.
3. Have CRE collect roof core samples for asbestos from the Municipal Pool Bath House roof prior to demolition to check for friable and non-friable asbestos materials. The status of ACM in these samples will determine the disposal pathways for the roofing materials.
4. All building materials tested that were negative for asbestos content may be demolished and disposed of in a landfill for construction and demolition materials. They do not contain asbestos.
5. A WDNR Form 4500-113, Notification of Demolition, must be still be completed and filed with the WDNR 10 working days prior to abatement or demolition, regardless if there is asbestos or not. The asbestos abatement contractor or demolition contractor can complete and file this form. Use the CRE Inspector Name and Wisconsin Inspector Certification # in the Notification.

Lead Based Paint

6. The grey lead base painted concrete basement foundation walls will need to be landfilled. If the lead based paint is abated, then the foundation walls could then be recycled or disposed of as "Clean Concrete." See the Wisconsin DNR, Solid Waste Section Pamphlet on "Clean Concrete."

Hazmat

7. Remove all appliances and hazardous materials found that are listed in this report. Have a qualified recycling contractor recover all fluorocarbon refrigerants from the HVAC equipment in/on this building if they are to be disposed in accordance with Wis. Admin. Code NR 488. Remove and properly dispose of any remaining chemicals, fluorescent light bulbs and ballasts prior to demo. The La Crosse County Landfill Household Hazardous Waste facility is a resource for disposal/recycling of many of these materials. Many of the pool water treatment chemicals should be able to be moved to other pool facilities for re-use. If appliances and electrical boxes are given away or sold, they are not waste. I have attached a WDNR Pre-demolition Environmental Checklist for your use on this project.

8. This report should be kept on file with project records in the event that regulatory officials wish to review the asbestos, lead or Hazmat status of materials being transported to landfills.

References

State of Wisconsin, Department of Natural Resources (WDNR), Pre-Demolition Environmental Checklist, DNR Publication WA-651-07.

State of Wisconsin, Department of Natural Resources (WDNR), Control of Asbestos Emissions, Wisconsin Administrative Code – NR-447.

State of Wisconsin, Department of Natural Resources (WDNR), Wisconsin Administrative Code, NR 488.

State of Wisconsin, Department of Natural Resources (WDNR), Wisconsin Administrative Code, NR 600, Hazardous Waste Management.

U.S. Department of Labor, Occupational Health & Safety Administration (OSHA), 29 CFR 1926.1101, Construction Standard – Asbestos + 29 CFR 1915.1101 Marine Standard, Asbestos

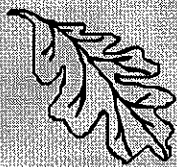
U.S. Department of Labor, Occupational Health & Safety Administration (OSHA), 29 CFR 1926.62, Construction Standard - Lead, 29 CFR 1915.62 Marine Standard, Lead

U.S. Department of Labor, Occupational Health & Safety Administration (OSHA), 29 CFR 1926.59, Construction Standard - Hazard Communication, 29 CFR 1915.59, Marine Hazard Communication

U.S. Environmental Protection Agency, 40 CFR Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAPS).

ATTACHMENT

SECTION



Figures

Figure 1 - Sample Locations, Ground Level

Figure 2 - Sample Locations, Basement Level

N ↑

Sample #
MP32516-11
White Paint on Brick
No Bathroom
Lead - 90 AAS

Sample #
MP32516-12
Grey Painted Floor
NW Storage
Lead - 0 AAS

Interior walls - Plaster
Exterior Sides - Brick Painted white

Chickadee CH
LACROSE, WI

Plaster Cell

Plaster Cell
STONING
MILKING
PUMP

Plaster Cell

White wall on Brick

G.B. W G.B. W G.B. W

Plaster or
ceiling
wall
cone
hill

Brick
Paint

Show

Show
gray
work off

Storage

cone of
Paint
work
off

Sample #
MP32516-3
Texture coat
ceiling
Asbestos

Wonders
Dressn.

Sample #
MP32516-4
Texture coat ceiling
PLM Asbestos

Sample #
MP32516-9
Culinary
Door
Sample #
MP32516-10
Door
Sample #
MP32516-11
Door

Sample #
MP32516-5
MP32516-6
Window Glazing
Compound

Sample #
MP32516-1
Plaster
ceiling
Asbestos

all exterior
Door Frames
wood - Painted
gray

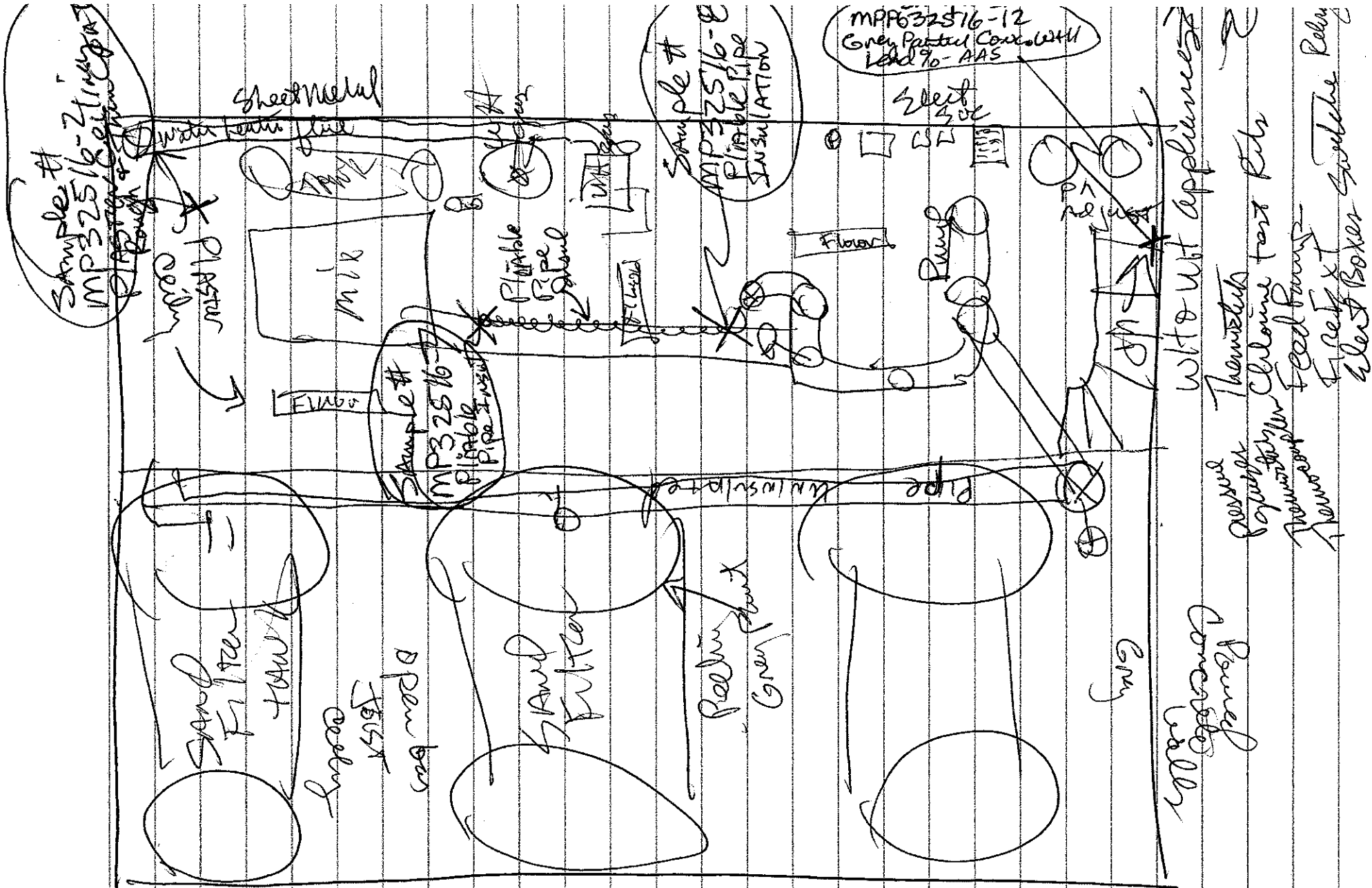
Some Doors Replaced
w/ steel Hollow
core w/ ACM
no Polyn

MUNICIPAL
POOL

LACROSE, WI 325-2016

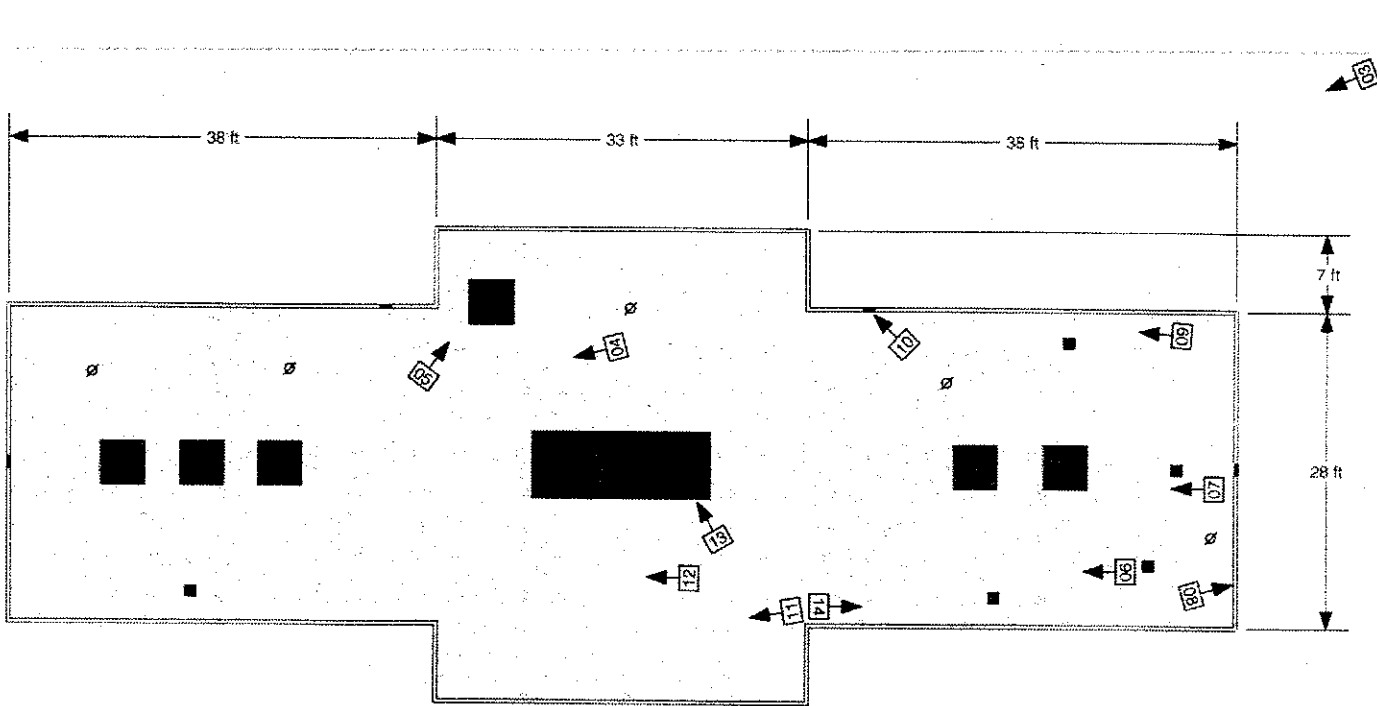
Pre Remediation Asbestos Inspection



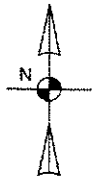


Basement Level - Center Section of Bldg
 Municipal Pool LaCrosse, WI
 Pre-Reno/Demo Asbestos Inspection
 Chris Subler CIH
 05/1/00

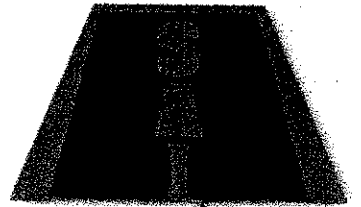
**Memorial Pool
 Bath and Filtration House**
 1901 Campbell Road
 LaCrosse, WI



LEGEND	
Skylight	
Vent Stack	
Soil Stack	
Scupper	
Curb Fan	
Photo Vantage	



Scale: 1/32" = 1'

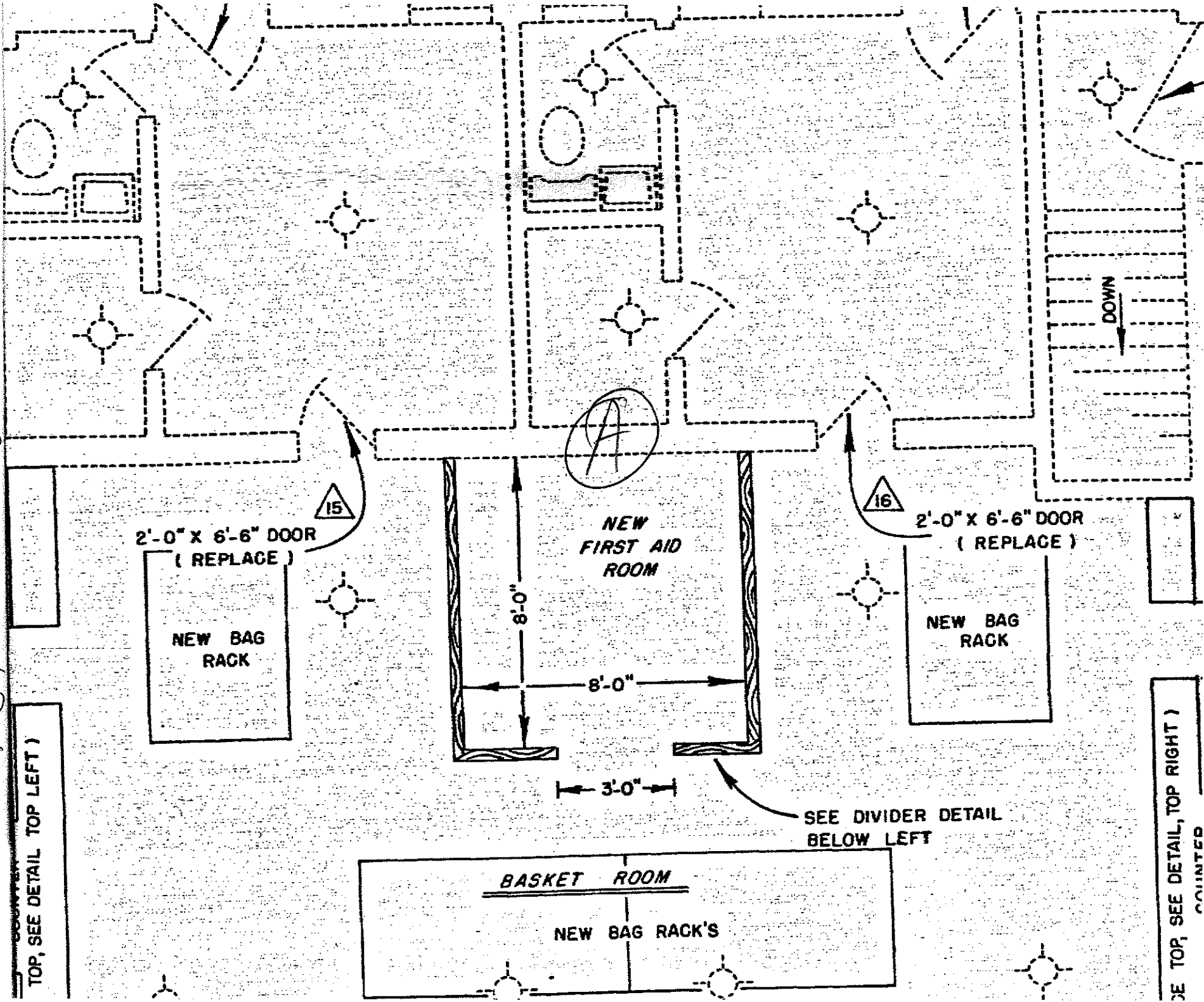


generalRoofing COMPANY

Site Plan

N ↗

LA CROSS MUNICIPAL POOL
BATHHOUSE - CURTAIN SECTION A

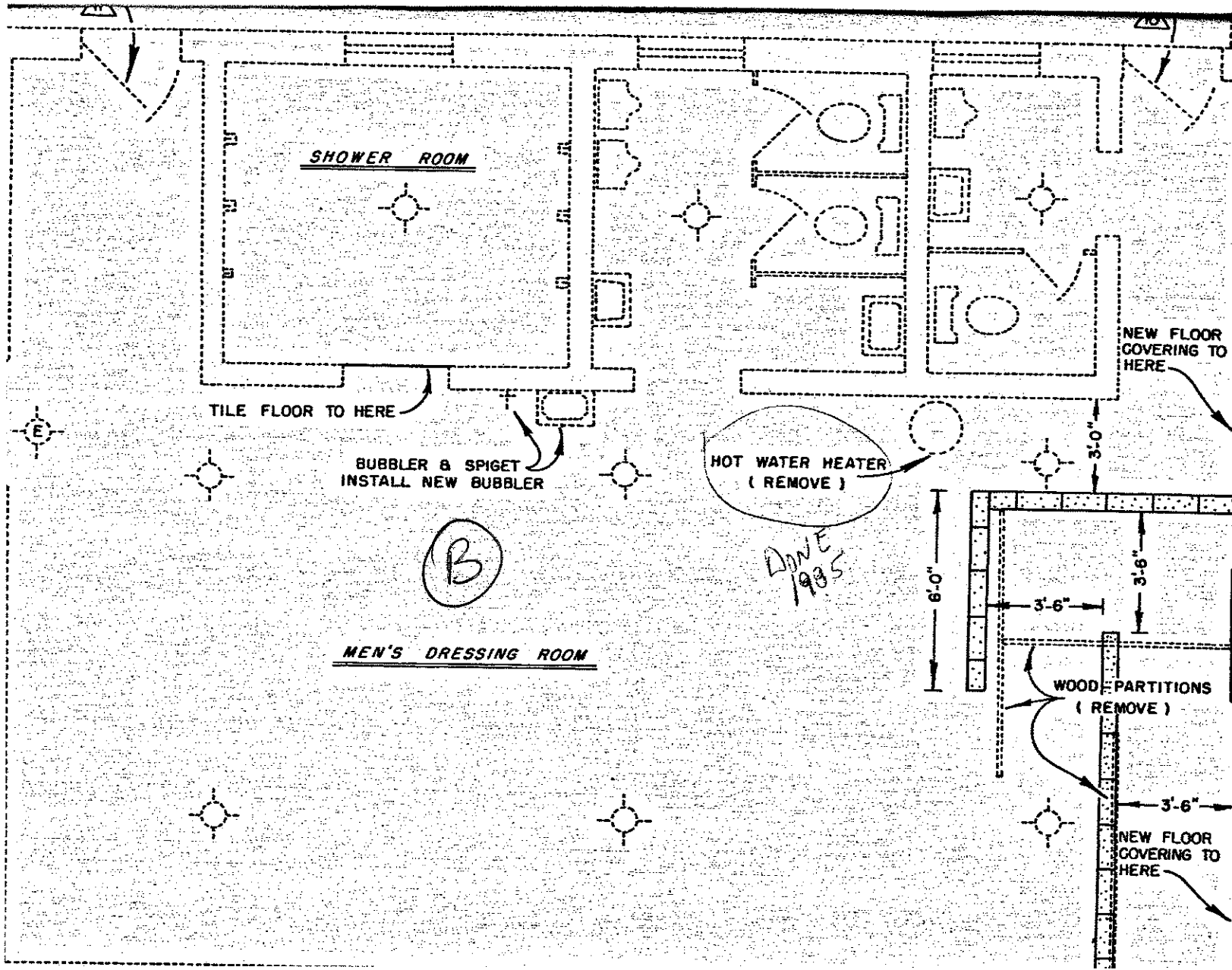


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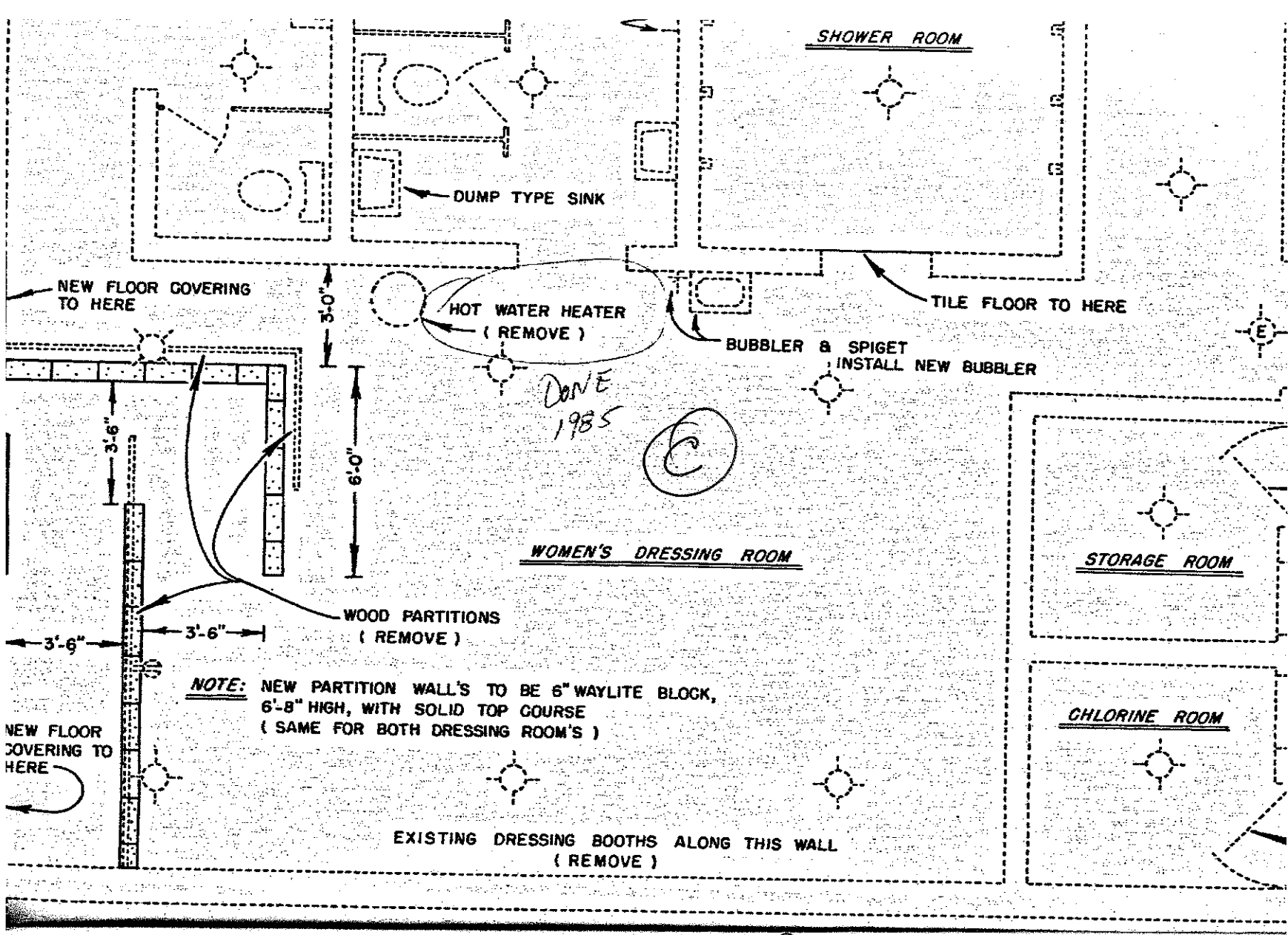
DE TOP, SEE DETAIL, TOP RIGHT)
COUNTED

NA ↑

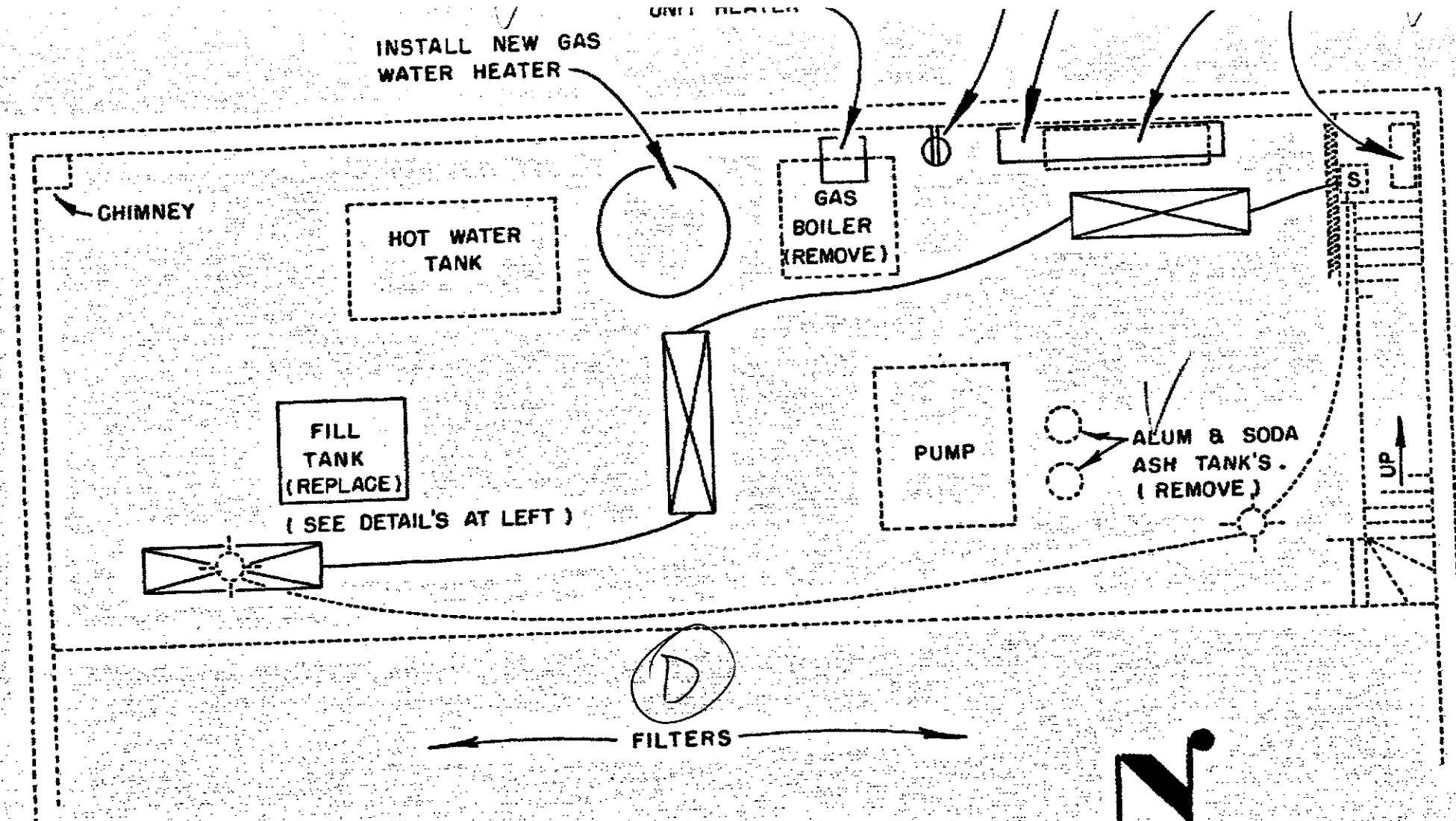
LACROSSE MUNICIPAL POOL (w/1) Bath House - west Section B



N ↑



La Crosse Municipal - Bath House
 Pool
 East Section C



BASEMENT PLAN

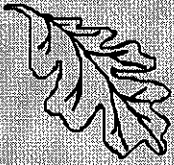
SCALE: 1/4" = 1'-0"

LACROSSE MUNICIPAL POOL
 Bath-house
 CENTER BASEMENT MECHANICAL
 SECTION D



8" FLANGED CHECK VALVE

→ TO PUMP



Appendices

Appendix A

- CRE Asbestos. Bulk Sample Log Forms
- EMSL Analytical, Inc., Chain of Custody,
- EMSL Analytical, Inc., Asbestos Test Report

Coulee Region Environmental, LLC
 123 North 4th Street - Suite 202 • La Crosse, Wisconsin • Phone (608) 784-5688

4985

Bulk Sample Log Form

Facility ID: Municipal Pool, City of La Crosse, WI Project No: AS164818

Analysis Requested: PLM, EPA 600 Collected By: Rick Stickler

State Certification: AII-00425 Date Collected: 3-25-16 Date Submitted: 3-25-2016

Submitted To: EMSL Analytical, Inc. Indianapolis, IN Carrier: Fed Ex

Submitted By: Rick Stickler, CRE La Crosse, WI Signature: [Signature]

Date Received: _____ Received By: _____

Bulk Sample Number	Location & Description of Bulk Sample	Homogeneous Area
MP32516-1	Plaster Ceiling, 1st Floor, Rough & Thin Coat	1
MP32516-2	Plaster Ceiling, ^{NW corner} Basement level, ^{Grey} Rough & Thin Coat	1
MP32516-3	Texture Coat - Ceiling - Women's Dressing	1
MP32516-4	Texture Coat - Ceiling - men's	1
MP32516-5	Window Glazing Compound, Chlorine tank ^{top} Pan	1 part
MP32516-6	Window Glazing Compound, Chlorine Tank Pan ^{Bottom}	1 white
MP32516-7	Pliable Pipe Insulation Basement - Ceiling Pipe	1
MP32516-8	Pliable Pipe Insulation, ^{Chlorine Rm} Basement - Ceiling Pipe	1
MP32516-9	Door Caulking, Exterior, ^{Chlorine Rm} Brown & white	1
MP32516-10	Door Caulking Exterior, ^{East Door to women's dressing Rm} Brown & white	1



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS + TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

161604985

EMSL Analytical, Inc.
2001 East 52nd Street

Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

Company Name : Coulee Region Environmental, LLC		EMSL Customer ID:	
Street: 123 N. 4th Street, Suite 202		City: La Crosse	State/Province: WI
Zip/Postal Code: 54601	Country: United States	Telephone #: 6087928672	Fax #: 6087847350
Report To (Name): Rick Stickler		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: rstickler@crelacrosse.com		Purchase Order: AS164818	
Project Name/Number: Municipal Pool, LaCrosse		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: WI		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** <i>Third Party Billing requires written authorization from third party</i>			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Rick Stickler, CIH		Samplers Signature: <i>Rick Stickler</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MP32516-1	See Attached CRE		
TO	Bulk Sample Log Form		
MP32516-10			
Client Sample # (s): MP32516-1 TO MP32516-10		Total # of Samples: 10	
Relinquished (Client): <i>Rick Stickler</i>		Date: 3-25-2016	Time: 14:42
Received (Lab): <i>J. Brown</i>		Date: 3-28-16	Time: 9:06
Comments/Special Instructions:			

FedEx Express **Package US Airbill**

FedEx Tracking Number **8094 7152 5684**

MUR3
Form ID No: **0215**
Sender's Copy

1 From Please print and press hard.

Date **3-25-2016** Sender's FedEx Account Number **3608-3903-6**

Sender's Name **Richard Stukler** Phone (**608**) **784-5688**

Company **COULEE REGION ENVIRONMENTAL**

Address **123 4TH ST N STE 202**

City **LA CROSSE** State **WI** ZIP **54601-3236**

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

OPTIONAL

3 To
Recipient's Name

SUZY BRAUN Phone **317.8032997**

Company **EMBL ANALYTICAL, INC**

Address **2001 EAST 52nd STREET**
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address _____
Use this line for the HOLD location address or for continuation of your shipping address.

City **Indianapolis** State **IN** ZIP **46205**

0121656638



Ship it. Track it. Pay for it. All online.
Go to fedex.com.

4 Express Package Service *To most locations.

Packages up to 150 lbs.
For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

- FedEx Envelope*
- FedEx Pak*
- FedEx Box
- FedEx Tube
- Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

- Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
 - No Signature Required
Package may be left without obtaining a signature for delivery.
 - Direct Signature
Someone at recipient's address may sign for delivery.
 - Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.
- Does this shipment contain dangerous goods?
One box must be checked.
- No
 - Yes
As per attached Shipper's Declaration.
 - Yes
Shipper's Declaration not required.
 - Dry Ice
Dry Ice, 9 UN 1845 _____ x _____ kg
- Restrictions apply for dangerous goods — see the current FedEx Service Guide. Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

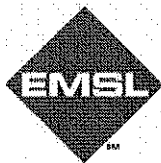
Sender Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check

FedEx Acct. No. **116 306 0000** Exp. Date _____

Total Packages **1** Total Weight **1** lbs. Total Declared Value* **\$ 100.00**

*Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

611



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161604985
Customer ID: MIDW52
Customer PO: AS164818
Project ID:

Attention: Rick Stickler
Coulee Region Environmental, LLC
123 North 4th Street
La Crosse, WI 54601

Phone: (608) 784-5688
Fax: (608) 784-7350
Received Date: 03/28/2016 9:10 AM
Analysis Date: 03/29/2016
Collected Date: 03/25/2016

Project: MUNICIPAL POOL, LACROSSE

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MP32516-1 <i>161604985-0001</i>	plaster clg & thin coat 1st fl	White/Rust Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
MP32516-2 <i>161604985-0002</i>	plaster clg & thin coat bsmt	White/Rust Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
MP32516-3 <i>161604985-0003</i> <i>Inseparable paint / coating layer included in analysis</i>	texture clg womens dressing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MP32516-4 <i>161604985-0004</i> <i>Inseparable paint / coating layer included in analysis</i>	texture clg mens	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MP32516-5 <i>161604985-0005</i> <i>Inseparable paint / coating layer included in analysis</i>	wdw glz compound chlorine tank top	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MP32516-6 <i>161604985-0006</i> <i>Inseparable paint / coating layer included in analysis</i>	wdw glz compound chlorine tank bot	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MP32516-7 <i>161604985-0007</i> <i>Inseparable paint / coating layer included in analysis</i>	pipe insul bsmt clg	Black/Blue Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
MP32516-8 <i>161604985-0008</i> <i>Inseparable paint / coating layer included in analysis</i>	pipe insul bsmt clg	Black/Blue Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
MP32516-9 <i>161604985-0009</i> <i>Inseparable paint / coating layer included in analysis</i>	door caulk ext	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MP32516-10 <i>161604985-0010</i> <i>Inseparable paint / coating layer included in analysis</i>	door caulk ext	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161604985
Customer ID: MIDW52
Customer PO: AS164818
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

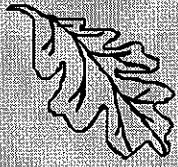
Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type

Analyst(s)
Jadda Moffett (10)

Richard H. Harding
Richard Harding, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial Report From: 03/29/2016 09:03:16



Appendices

Appendix B

- CRE Lead. Bulk Sample Log Forms
- EMSL Analytical, Inc., Chain of Custody,
- EMSL Analytical, Inc., Lead Test Report

EMSL Analytical, Inc.
2001 East 52nd Street



Lead (Pb) Chain of Custody
EMSL Order ID (Lab Use Only):

161605004

Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

EMSL ANALYTICAL, INC.
LABORATORY SERVICES

Company: Coulee Region Environmental, LLC		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 123 North 4th Street, Suite 202		Third Party Billing requires written authorization from third party	
City: La Crosse	State/Province: WI	Zip/Postal Code: 54601	Country: United States
Report To (Name): Rick Stickler		Telephone #: 608 784 5888	
Email Address: rstickler@memcolax.com		Fax #: 608 784 7350	Purchase Order: AS164818
Project Name/Number: Municipal Pool, LaCrosse		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: WI		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* <small>ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/></small> <small>*If no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
MPPb32516-11	See Attached CRE		
TO	Lead Sample Log Form		
MPPb32516-13			

Client Sample #'s	MPPb32516-11 TO MPPb32516-13	Total # of Samples:	3
Relinquished (Client):	<i>Rick Stickler</i>	Date:	3-25-2016
Received (Lab):	<i>J. Brown</i>	Date:	3-28-16
Comments:		Time:	9:10

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161605004
 CustomerID: MIDW52
 CustomerPO: AS164818
 ProjectID:

Attn: **Rick Stickler**
Coulee Region Environmental, LLC
123 North 4th Street
Suite 202
La Crosse, WI 54601

Phone: (608) 784-5688
 Fax: (608) 784-7350
 Received: 03/28/16 9:10 AM
 Collected: 3/25/2016

Project: **Municipal Pool, LaCrosse**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

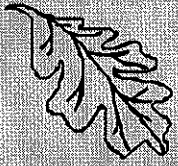
<i>Client Sample Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>RDL</i>	<i>Lead Concentration</i>
MPPb32516-11 161605004-0001	3/25/2016	3/28/2016	0.010 % wt	0.086 % wt
Site: White Painted Brick Wall NW Bathroom				
MPPb32516-12 161605004-0002	3/25/2016	3/28/2016	0.20 % wt	3.6 % wt
Site: Grey Painted Concrete Wall Basement				
MPPb32516-13 161605004-0003	3/25/2016	3/28/2016	0.011 % wt	0.49 % wt
Site: Grey Painted Concrete Floor 1st Flr Storage Next to NW Bdrm				

Doug Wiegand, Laboratory Manager
 or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LLC--ELLAP 157245, OH E10040

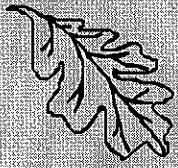
Initial report from 03/29/2016 08:43:31



Appendices

Appendix C

WDNR Pre-Demolition Environmental Checklist



Appendices

Appendix D

CRE Certifications/Accreditations

Wisconsin Asbestos Company

Wisconsin Asbestos Inspector / Management Planner

EMSL Analytical, Inc.

NVLAP Accreditation Statement, Bulk Sample PLM Analysis

AIHA Accreditation Statement, Lead NLLAP

Company Certificate

This certifies that

COULEE REGION ENVIRONMENTAL LLC

123 4TH ST N STE 202
LA CROSSE WI 54601-3236

is certified under ch. DHS 159, Wis. Adm. Code as a

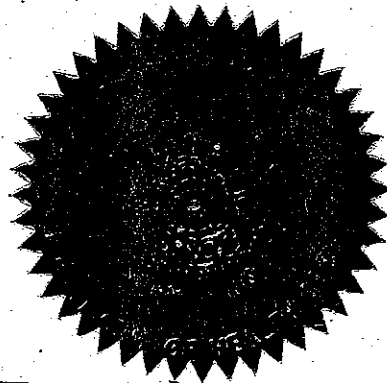
Asbestos Company - Primary

Certificate Issue Date: 04/22/2015
Expiration Date: 04/12/2017, 12:01 a.m.
Certification #: CAP-2186440

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR
 Issued By
STATE OF WISCONSIN
 Dept. of Health Services
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse WI 54601-2204

		185 lbs	6' 02"
AII-425	Exp: 10/05/2016	09/19/1956	Male

Training due by: 10/05/2016



ASBESTOS MGMT. PLANNER
 Issued By
STATE OF WISCONSIN
 Dept. of Health Services
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse WI 54601-2204

		185 lbs	6' 02"
AMP-425	Exp: 10/05/2016	09/19/1956	Male

Training due by: 10/05/2016



ASBESTOS SUPERVISOR
 Issued By
STATE OF WISCONSIN
 Dept. of Health Services
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse WI 54601-2204

		185 lbs	6' 02"
ACS-425	Exp: 03/01/2016	09/19/1956	Male

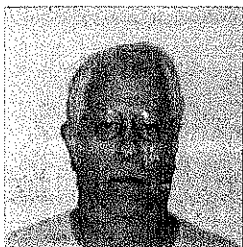
Training due by: 03/01/2016



ASBESTOS PROJ. DESIGNER
 Issued By
STATE OF WISCONSIN
 Dept. of Health Services
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse WI 54601-2204

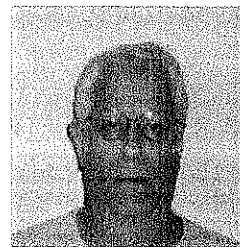
		185 lbs	6' 02"
APD-425	Exp: 04/15/2016	09/19/1956	Male

Training due by: 04/15/2016



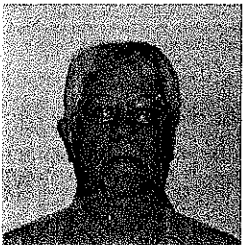
ASBESTOS INSPECTOR
 Certified by:
 State of Minnesota
 Department of Health
Expires: 08/14/2016
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse, WI 54601

RP
 Director, Env. Health Div. No. AI2428 Issued: 08/19/2015



ASBESTOS MANAGEMENT PLANNER
 Certified by:
 State of Minnesota
 Department of Health
Expires: 08/14/2016
 Richard F. Stickler
 W5841 Brickyard Ln
 La Crosse, WI 54601

RP
 Director, Env. Health Div. No. AM2428 Issued: 08/18/2015



ASBESTOS SITE SUPERVISOR
 Certified by:
 State of Minnesota
 Department of Health
Expires: 02/25/2016
 Richard F. Stickler
 123 N. 4th St, Suite 202
 LaCrosse, WI 54601

RP
 Director, Env. Health Div. No. AS2428 Issued: 07/07/2015



ASBESTOS PROJECT DESIGNER
 Certified by:
 State of Minnesota
 Department of Health
Expires: 04/10/2016
 Richard F. Stickler
 12 N. 4th St, Suite 202
 LaCrosse, WI 54601

RP
 Director, Env. Health Div. No. AD2428 Issued: 07/07/2015

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200188-0

EMSL Analytical, Inc.
Indianapolis, IN

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2015-04-01 through 2016-03-31

Effective dates



A handwritten signature in black ink, appearing to read "Michael R. Mello".

For the National Institute of Standards and Technology



National Voluntary
Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
2001 E. 52nd Street
Indianapolis, IN 46205-1405
Mr. Richard Harding
Phone: 317-803-2997 Fax: 317-803-3047
E-Mail: rharding@emsl.com
URL: <http://www.emsl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200188-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-04-01 through 2016-03-31

Effective dates

For the National Institute of Standards and Technology



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

2001 East 52nd St, Indianapolis, IN 46205

Laboratory ID: 157245

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
- FOOD
- UNIQUE SCOPES

Accreditation Expires: 06/01/2017

Accreditation Expires: 06/01/2017

Accreditation Expires: 06/01/2017

Accreditation Expires:

Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 07/31/2015



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

2001 East 52nd St, Indianapolis, IN 46205

Laboratory ID: **157245**

Issue Date: 07/31/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 12/01/2005

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003	
			NIOSH 1400	
			NIOSH 1501	
			NIOSH 2000	
	Ion Chromatography (IC)		OSHA ID 215, Ver. 2	
	Liquid Chromatography	HPLC/UV	NIOSH 2016	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 (Modified)	
	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 (Modified)	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>