



**POST-REMEDIATION MOLD ASSESSMENT
AND CLEARANCE REPORT**

**West Side Aquatic Center
Boy's Shower – Room B108
1750 Duncan Lane
Lewisville, Texas**

November 30, 2016
Apex Project No. 72501027036

Prepared for:

**Lewisville Independent School District
340 Lake Haven
Lewisville, Texas 75057
Attention: Mr. Paul Siddall**



November 30, 2016

Lewisville Independent School District
340 Lake Haven
Lewisville, Texas 75057
Attention: Mr. Paul Siddall

Re: Post-Remediation Assessment
And Clearance Report
West Side Aquatic Center
Boy's Shower – Room B108
1750 Duncan Lane
Lewisville, Texas
Apex Project No. 725010727036

Apex TITAN, Inc. a subsidiary of Apex Companies, LLC (Apex) is pleased to submit its final Post-Remediation Assessment and Clearance Report for recent mold remediation activities at the Site. Apex was retained to undertake Post-Remediation Assessment and Clearance services (hereinafter the "Services") for the Remediation Areas at the site in accordance with Apex's Proposal No. P725010727041 dated October 20, 2016. The Services were authorized by Mr. Paul Siddall of Lewisville Independent School District. Results of Apex's Post-Remediation Assessment and Clearance sampling indicate the Remediation Contractor successfully completed mold remediation activities in the Remediation Areas at the Site and that the Remediation Areas can now be renovated.

Supporting documentation for this report are included in the report appendices and include: a site diagram, photographs, analytical results, work protocol, contractor's work plan and a copy of Apex's portion of the Texas Department of Insurance MDR-1 form.

Apex appreciates opportunity to provide Post-Remediation Assessment and Clearance Services. If you should have any questions, please contact me at (469) 365-1140.

Sincerely,
Apex TITAN, Inc.

A handwritten signature in black ink, appearing to read 'Darren G. Bowden', is written over a white rectangular background.

Darren G. Bowden
Senior Program Manager
Mold Assessor License No: MAC0321
License Expiration Date: 02/15/2018

Attachment

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1.0 SCOPE OF SERVICES

Apex TITAN, Inc., a subsidiary of Apex Companies, LLC (Apex) was engaged by Lewisville Independent School District to conduct a post-remediation mold assessment and clearance sampling for the remediation area at West Side Aquatic Center – boy's shower room B108 located at 1750 Duncan Lane, Lewisville, Texas ("Site"). Apex's Post-Remediation Assessment and Clearance Services (hereinafter the "Services") were conducted for the Remediation Area of the site in accordance with the scope of work set forth in Apex's Proposal P725010727041 dated October 20, 2016.

Apex's services for this project included:

- Visual Reconnaissance of the Lewisville Independent School District identified mold remediation areas (as defined in Section 3.2 below) to verify that the Remediation Area is free from all visible mold and wood rot.
- Visual reconnaissance of the Remediation Areas and review of the project Mold Remediation Protocol and Remediation Work Plan for the project to verify that the mold remediation work was completed in compliance with the Remediation Protocol and Work Plan.
- Conduct verification sampling in Remediation Areas and compare results to clearance criteria in project Mold Remediation Protocol.
- Determine, based upon available information, whether the moisture source identified as the underlying cause of the mold in the Remediation Areas was properly remediated such that it is reasonably certain that the mold will not return from that remediated cause.
- If clearance criteria for the Remediation Area(s) have been achieved, prepare the Mold Assessor's portion of the Mold Remediation Certificate (on Texas Department of Insurance Form MDR-1).

2.0 STANDARD OF CARE, RELIANCE AND LIMITATIONS

2.1 *Standard of Care*

Apex performed the Services in accordance with generally accepted practices of the profession undertaken in similar services at the same time and in the same geographical area. No other warranties, express or implied, apply to the Services hereunder or this report.

2.2 *Reliance*

The Services were conducted and this report prepared for the benefit and exclusive use of the CLIENT and solely for its use and reliance in assessing whether mold in the project Remediation Areas of the Site had been remediated within clearance criteria set forth in the Mold Remediation Protocol. The CLIENT was the only party to which Apex explained the risks and limitations of the Services and was solely involved in shaping the scope of services. Accordingly, reliance on this report by any other party may involve assumptions leading to an unintended interpretation of findings and opinions. With the consent of the CLIENT, Apex may offer reliance to third parties or contract with other parties to develop findings and opinions

related to such party's unique risk management concerns. Notwithstanding the foregoing, reliance by any and all third parties upon the Services or this report shall be limited in the aggregate to the fair market value of the Services.

2.3 Definitions

"Mold" defined. Mold is a general term used to describe various types of naturally occurring biological organisms occurring worldwide. For purposes of this report (and regulations), the term "mold" is broadly defined to include any living or dead fungi or related products or parts, including spores, hyphae, and mycotoxins.

"Remediation Area" means that portion of the Site where mold remediation activities have been completed and as more particularly defined in Section 3.2 of this report.

2.4 Services and Report Limitations

Time sensitive. One must keep in mind that mold assessments, including post-remediation mold assessment and clearance sampling, are essentially a "snap-shot in time," and the results are only relevant as of the time of site reconnaissance and sampling. Because mold, when biologically active, is a living organism, its presence is influenced and controlled by environmental conditions. Mold assessments, therefore, are "time sensitive" in that the presence and concentration of mold and similar organisms in building structures or in the air is directly influenced by environmental conditions (such as humidity, moisture, nutrients and substrates), whether natural or caused by man, which conditions may vary significantly over relatively short periods of time.

Methodologies. Currently, mold assessment methodologies and protocols in Texas are governed by persuasive guidelines (rather than promulgated federal/state or local regulations). Presently, there is no data that supports a threshold limit or dose-response relationship for exposure to mold aeroallergens, individual pathogens, opportunistic pathogens and/or mycotoxins. The Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety and Health (NIOSH) and other non-governmental associations, have not yet established permissible exposure limits (PELs), recommended exposure limits (RELs), or other limit values for aeroallergens. Because no limit values presently exist, Apex will not and cannot represent that the site contains no harmful microbes, mold, fungi, or their metabolites, or other latent conditions beyond those identified by the limited scope of this mold assessment.

Moisture Intrusion Limitation. Apex is not a moisture intrusion, HVAC, plumbing, roofing or building envelope contractor or specialist ("Building Trades Specialist"). In performing the Services, Apex has relied upon statements, certifications and/or findings made by the CLIENT, Site owner or Building Trades Specialists that the moisture source which is the underlying cause of mold in the Remediation Areas has been identified and remediated such that it is reasonably certain that the mold will not return from that remediated cause.

Findings Limited. Apex's findings from the Services are limited due to their "time-sensitive" nature and because they rely in part upon information prepared or provided by the CLIENT, the Site owner or third parties. Apex cannot warrant the accuracy of any services, investigations, information, data, reports, findings or conclusions prepared, made or performed by any other party in connection with the Mold Remediation Areas or other activities at the Site. Apex assumes no responsibility or liability for errors in information or data provided by or through the CLIENT, the Site owner or any third party sources. Apex's services are not to be construed as legal or medical interpretation or advice.

Mold Remediation Certificate. For mold remediation projects (above certain size thresholds), applicable Texas law (i.e., Texas Occupation Code Section 1958.54 and T.A.C. Section 295.397 (the Texas Mold Assessment and Remediation Rules), requires that a “Certificate of Mold Remediation” (hereinafter, “Mold Remediation Certificate”) be issued by the Mold Remediation Contractor upon successful completion of the project. This certificate must be provided to property owners no later than the 10th day after the date on which the mold remediation is completed at a property. The Mold Remediation Certificate issued by the Mold Remediation Contractor must include a certification by the Mold Assessor that the mold remediation project has been successfully completed in accordance with the mold remediation protocol. Be advised that Apex’s issuance of a Mold Remediation Certificate upon successful completion of a Mold Remediation project does not mean, warrant or otherwise guarantee that mold will not be subsequently found in any portion of the Remediation Area or the Site.

3.0 SITE DESCRIPTION AND REMEDIATION AREAS

3.1 Site Description

Based on the information provided by the client, the site consists of fungal growth associated with the sheetrock ceiling within the boy’s shower – room B108 area at the West Side Aquatic Center.

3.2 Remediation Areas

Mr. Paul Siddall of Lewisville Independent School District has identified the following physical portions of the Site as the “Remediation Areas” for performance of the Services: boy’s shower – room B108 at the West Side Aquatic Center. The Site diagram in Appendix A depicts the Remediation Area of the Site. Apex’s Post Remediation Mold Assessment and Clearance Services will be limited to the Remediation Area. Additional areas or portions of the Site are out-of-scope and not covered by the Services or this report.

4.0 MOLD ASSESSMENT AND MOLD ANALYTICAL RESULTS

4.1 Post-Remediation Mold Assessment Results

Apex conducted its final Post-Remediation Mold Assessment reconnaissance on October 28, 2016. Apex’s visual reconnaissance showed the Remediation Areas, to be free of all visible mold and wood rot. Photographs documenting the condition of the Remediation Areas are contained in Appendix B.

In conjunction with its visual reconnaissance of the Remediation Areas, Apex reviewed the Mold Remediation Protocol and Mold Remediation Work Plan for the Remediation Areas. Apex’s visual reconnaissance of the Remediation Areas indicated that the Mold Remediation Contractor conducted the mold remediation activities in general accordance with the Mold Remediation Protocol and the Mold Remediation Work Plan for the Remediation Areas. Copies of the Mold Remediation Protocol and the Mold Remediation Work Plan are contained in Appendix C and D, respectively.

4.2 Mold Analytical Results

The abatement was performed within one containment. Apex collected one sample inside the containments and two exterior samples utilizing Air O Cell cassettes.

Air O Cell refers to slit impaction air sampling cassette manufactured by Zefon. The collection media for these devices consist of a coverslip coated with a sticky transparent “acrylic” substrate. Containment clearance is contingent upon passing a visual and procedural inspection by an Apex representative in addition to obtaining air monitoring results indicating that airborne mold spore concentrations inside the containment are similar to those obtained outside the structure at the time the sampling was performed.

Upon collection, samples were identified and a chain-of custody-form was prepared. The samples were submitted to Steve Moody Micro Services (SMMS) for subsequent analysis. SMMS is licensed by the State of Texas and maintains in-house quality control/quality assurance programs for their laboratory services.

Total fungal spore concentrations within the containments that achieved clearance on October 28, 2016 was reported as 26 counts/m³ while the exterior levels ranged from 5,589 to 8,583 counts/m³. Analytical reports are contained in Appendix E.

Laboratory analytical results for the samples confirm that the mold clearance criteria set forth in the Mold Remediation protocol were successfully achieved.

4.3 Underlying Cause of Mold

Based upon the documentation provided to Apex (copy attached in Appendix F), the source of moisture was identified as: moisture due to a lack of exhaust fan.

Based upon the documentation provided by Mr. Paul Siddall of LISD the underlying source of moisture causing mold in the Remediation Areas was successfully remediated. A copy of this documentation is contained in Appendix F.

5.0 FINDINGS

Apex’s findings are as follows:

- Based upon Apex’s visual reconnaissance of the Remediation Areas on October 28, 2016 the Remediation Area is free from all visible mold and wood rot.
- Based upon Apex’s visual reconnaissance of the Remediation Areas and review of the Remediation Protocol for the project, the remediation work was completed in compliance with the Remediation Protocol.
- Based upon Apex’s visual reconnaissance of the Remediation Areas and review of the Remediation Work Plan for the project, the remediation work was completed in compliance with the Remediation Work Plan.
- Based upon the moisture intrusion report prepared by Mr. Paul Siddall, the moisture source identified as the underlying cause of the mold was moisture due to a lack of exhaust fan. Based the information provided to Apex by Mr. Paul Siddall, the source has

been properly remediated such that it is reasonably certain that the mold will not return from that remediated cause.

- Temperature and relative humidity readings were taken during the post remediation inspection on October 28, 2016. Temperature reading was reported as 81.1 degrees Fahrenheit inside the containment while relative humidity was reported as 51.4 percent. Temperature readings taken outside the building ranged from 75.7 to 76.6 degrees Fahrenheit while relative humidity ranged from 46.7 to 48.6 percent.
- Based upon Apex's visual reconnaissance of the Remediation Area(s) and its clearance sampling analytical results, the remediation activities were successfully completed by the Remediation Contractor and meet the clearance criteria specified in the Remediation Protocol. A copy of Apex's Mold Assessor) portion of the Mold Remediation Certificate (on Texas Department of Insurance Form MDR-1) is contained in Appendix F.

6.0 CONCLUSIONS

The mold remediation activities in the Remediation Area has been successfully completed, passed clearance, and the Remediation Areas approved for reconstruction.

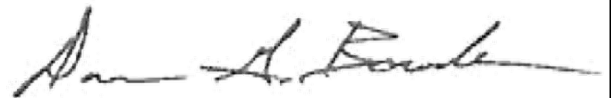
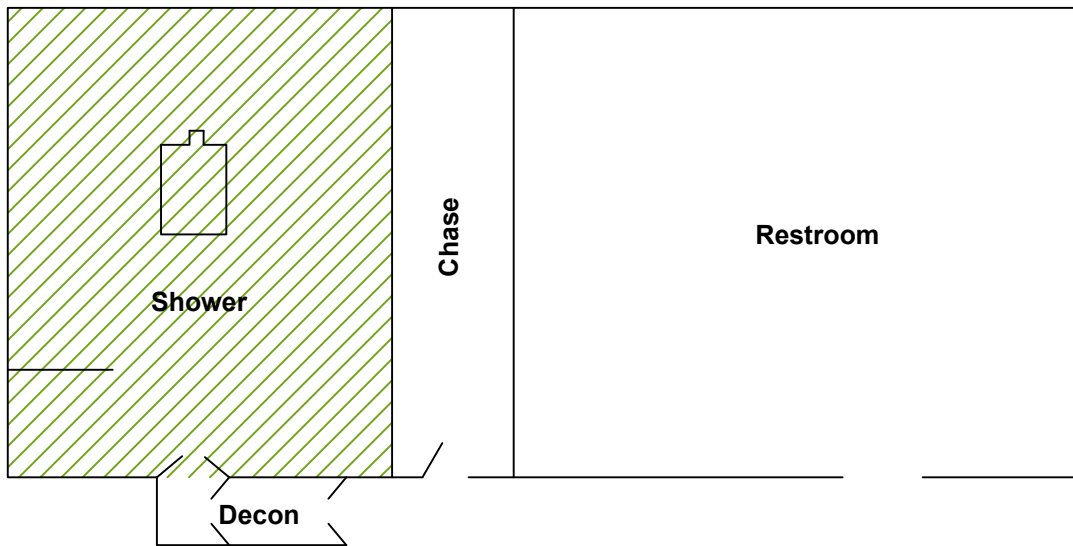
APPENDIX

APPENDIX A

Site Diagram

LEGEND:

 Fungal Growth Location



Lewisville Independent School District
Westside Aquatic Center
Boy's Shower - Room B108
1750 Duncan Lane
Lewisville, Texas



Apex TITAN, Inc.
12100 Ford Road, Suite 401
Dallas, Texas 75234
Phone: (469) 365-1100
www.apexc.com
A Subsidiary of Apex Companies, LLC

FIGURE 1
Fungal Growth Location Map

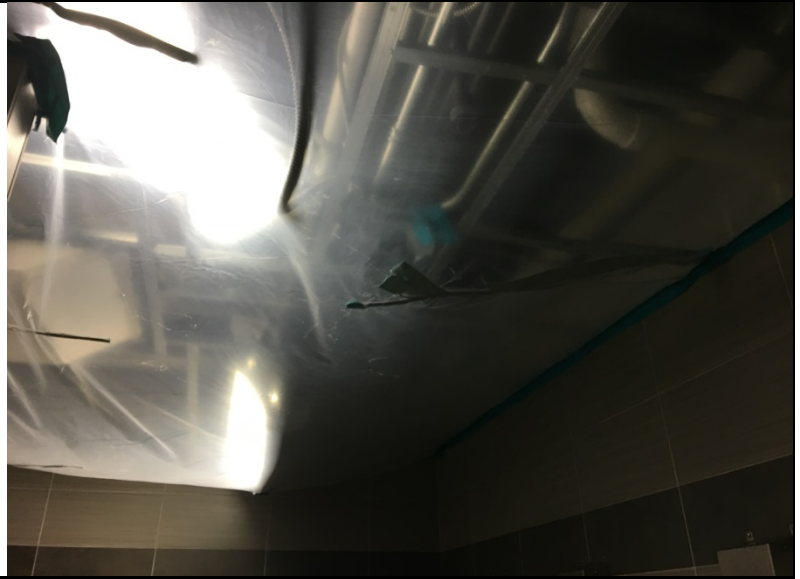
Project No. 725010727036

APPENDIX B

Photographs

Photograph 1

View of remediated area.



Photograph 2

View of remediated area.



APPENDIX C

Mold Remediation Protocol



MOLD REMEDIATION PROTOCOL

West Side Aquatic Center
Boy's Shower – Room B108
1750 Duncan Lane
Lewisville, Texas

October 24, 2016
Apex Project No. 725010727036

Prepared for:

Lewisville Independent School District
340 Lake Haven
Lewisville, Texas 75057
Attention: Mr. Paul Siddall

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Darren G. Bowden
Mold Assessment Consultant
Texas License No. MAC0321
Expiration Date: 02/15/2018

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PROJECT / WORK IDENTIFICATION

- I Material Description and Quantities
- II Work Practices
- III Removal
- IV Disposal
- V Clearance
- VI Notification
- VII Applicable Publications
- VIII Construction Notes

PROJECT/WORK IDENTIFICATION

General: Project name is Mold Remediation, West Side Aquatic Center, Boy's Shower – Room B108, 1750 Duncan Lane, Lewisville, Texas, dated October 24, 2016.

I. Material Description and Quantities

Briefly and without force and effect upon the contract documents, the work of the Contract can be summarized as the removal of fungal growth and associated sheetrock in the following approximate quantities: **

Fungal Growth associated with Ceiling Tile 200 SF

**Quantities listed are estimates only.

II. Work Practices

A. Respiratory Protection (at a minimum):

During the removal of the fungal growth, the workers will be required to wear, at a minimum, half-face air purifying respirators. The workers will be fit tested in accordance with current OSHA guidelines.

B. Protective Clothing:

During removal, workers will be required to wear disposable, full body coveralls, head covers, boots, goggles/eye protection and rubber gloves. Sleeves at wrists and cuffs at ankles shall be secure. Work clothes will be properly disposed of at the conclusion of work.

Authorized visitors, including the consultant's on-site representative, shall be provided with suitable protective clothing when they are required to enter the work area.

C. Containment:

Materials shall be abated in a full containment. The containment includes at a minimum: an enclosure consisting of two (2) layers of four (4) millimeter polyethylene sheeting on floors, walls and ceiling where applicable, in conjunction with a decontamination unit. Any non-movable objects that remain in the work area shall be sealed with two layers of 6-mil polyethylene sheeting.

Throughout the remediation activities, notice signs and barrier tape will be utilized to restrict unauthorized access to the work areas. The signs shall be at least eight (8) inches by ten (10) inches in size and shall bear the word, "NOTICE: Mold remediation project in progress" in black on a yellow background. The text of the signs must be legible from a distance ten (10) feet.

The containment will be placed under negative pressure during the mold remediation. In addition, air scrubber(s) shall be operated continuously after the remediation until the containment achieves clearance. Dehumidifiers will be utilized as needed to maintain the relative humidity below 60 percent.



Darren G. Bowden

No person shall remove or dismantle any walk-in containment structures or materials from a project site prior to receipt by the license mold remediation contractor or remediation company overseeing the project of a written notice from a licensed mold assessment consultant that the project has achieved clearance.

III. Removal

The Contractor will perform the removal and disposal in accordance with current local, state and federal regulations. The materials should be HEPA vacuumed and disinfected with Foster's 40/80, a hospital grade quaternary ammonium chloride disinfectant, or equivalent.

The fungal growth will be removed in conjunction with the substrate. Any mold affected wood will be sanded, grout will be cleaned. The work area will be encapsulated with Foster's 40/20 or equivalent.

All porous and non-porous surfaces within the work area and areas adjacent to the work area should be cleaned by simple wet wipe techniques and/or HEPA vacuum. Individuals with known allergies to fungal incitants should not be permitted to work on the project.

IV. Disposal

It is the Consultant's understanding that no special disposal requirements apply to mold waste materials and the waste can be disposed of as general construction waste. However, it is the responsibility of the Contractor to determine current waste handling, transportation, and disposal requirements as it pertains to current local, state and federal regulations. Waste will be containerized (e.g., bagged and goose-necked) inside containment and thoroughly cleaned before leaving the work area. The containers will be transported to the waste container without spillage.

V. Clearance

Apex will conduct a post-remediation assessment using visual, procedural and analytical methods. The post remediation assessment shall be conducted while the containment is in place. As part of the post-remediation assessment, Apex will determine if the area is free from all visible mold and wood rot and if the remediation has been completed in accordance with this protocol and the contractor's work plan.

Clearance samples will be conducted using slit impaction air sampling cassettes. The collection media for these devices consist of a coverslip coated with a sticky transparent "acrylic" substrate. Containment clearance will require obtaining air monitoring results indicating that airborne mold spore concentrations inside the containment are similar to those obtained outside the structure at the time the sampling was performed.

Apex is not a moisture intrusion assessment company. The client will retain responsibility for moisture intrusion remediation. The Client is encouraged to investigate the moisture intrusion and solicit a moisture intrusion remediation company to remediate the underlying cause of mold.



Darren G. Bowden

VI. Notification

The contractor is responsible for proper notification, if required, to all regulatory agencies having authority over proposed work including but not limited to city, county, state, and federal agencies. The TDSHS will be notified five (5) working days prior to the initiation of remediation activities on projects where more than twenty-five contiguous square feet of mold growth is scheduled for removal.

VII. Applicable Publications

The publications listed below form a part of this specification to the extent referenced. The publications are referenced in text by basic designation only and may not be fully conclusive. The Contractor shall be aware and compliant with all current regulations.

- A. Texas Department of State Health Services (TDSHS), Division of Occupational Health, Texas Mold Remediation Rules (TMARR), Texas Civil Statutes.
- B. National Institute for Occupational Safety and Health (NIOSH): “Respiratory Protection...A Guide for the Employee.”
- C. American National Standards Institute (ANSI): Z86.1-197³...Commodity Specification for Air
- D. Code of Federal Regulations (CFR):
 - 1. 29 CFR 1910.1001, Occupational Safety and Health Act (OSHA)
 - 2. 20 CFR 1910.20, Subpart C, General Safety and Health Provisions

VIII. Construction Notes

The Contractor will be responsible for routing water and electricity to the work areas. Water will be used only as needed to limit dust-related emissions and perform decontamination activities. No materials will be saturated with water during any part of this remediation project.

HVAC registers and ductwork present in the work areas are to be wiped and sealed by the Contractor prior to the initiation of remediation activities. The HVAC system is to be shutdown prior to and during the work.

The Contractor shall provide all items, articles, materials, operations or methods listed or mentioned including all labor, materials, equipment, applicable permits and notifications and all incidentals necessary and required for their use to complete the work specified.

Fire extinguishers shall be installed in the Equipment Room and Clean room or inside and outside of the containment if there is no decontamination unit specified.

The Contractor shall conduct a safety meeting for contractor’s employees with emphasis on operation of fire extinguishers and emergency exits in case of fire.

Contractor’s employees shall not wear protective clothing and equipment in areas of the building outside the work area.

The Consultant will not be responsible for site safety, or the ways and means utilized by the Contractor.



Darren G. Bowden

Neither the Contractor nor the Consultant is responsible for identification or the elimination of moisture intrusion.

Ground-fault circuit interrupter (GFCI) units shall be installed on all electrical circuits used within the regulated areas(s).


The Owner or Owner's representative has the authority to stop the remediation work at any time he/she determines that conditions are not within the specified mold remediation protocol and applicable regulations. The work stoppage shall continue until conditions have been corrected and measures have been taken to the satisfaction of the owner. Standby time required to resolve violations shall be at the Contractor's expense.

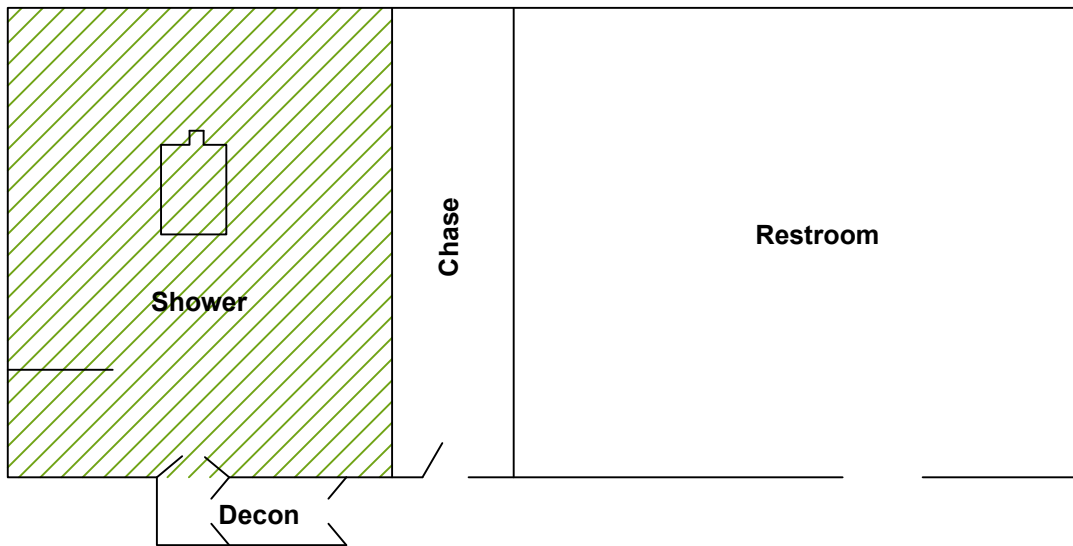
END OF SECTION



Darren G. Bowden

LEGEND:

 Fungal Growth Location



Lewisville Independent School District
Westside Aquatic Center
Boy's Shower - Room B108
1750 Duncan Lane
Lewisville, Texas



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A Subsidiary of Apex Companies, LLC

FIGURE 1
Fungal Growth Location Map

Project No. 725010727036

APPENDIX D

Remediation Work Plan

BIO-REMEDIATION WORK PLAN

Project Information:

Lewisville ISD
Westside Aquatic Center
Boys Lockers B108 Shower
1750 Duncan Lane
Lewisville, TX 75028

Prepared By:

ARC Abatement, Inc.
2710 National Place
Garland, TX 75041

Mold Company License #RCO-0163
Expires: 03-09-17
Mold Remediation Contractor License #MRC-0356

Project Consultant:

Mr. Darren Bowden
Apex TITAN, Inc.
12100 Ford Road, Suite 401
Dallas, Texas 75234
Mold Consultant License # MAC-0321

10-25-16



James B. Metcalf

Mold Contractor License #MRC - 1243

Expires: 12-12-17

Table of Contents

MOLD REMEDIATION WORK PLAN

**APPLICABLE RULES AND GUIDELINES FOR
REMEDICATION**

REMEDICATION AREAS AND ESTIMATED QUANTITIES

REMEDICATION METHODS

PRODUCTS

CONTAINMENT PROCEDURES

CLEARANCE PROCEDURES AND CRITERIA

Contractors Initials:

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MOLD REMEDIATION WORK PLAN

The following Mold Remediation Work Plan follows the requirements set forth in 25 TAC 295.321 (e). The following Mold Remediation Protocol is based on the following Mold Protocol:

Prepared on: October 25, 2016
Performed by: Darren Bowden
License #: MAC 0321

APPLICABLE RULES AND GUIDELINES FOR REMEDIATION

The following documents were reviewed prior to developing this Work Plan. Some of these documents regulate the remediation process while others provide general guidance for the remediation process:

- Texas Department of State Health Services, Indoor Air Quality Division, ***Texas Mold Assessment and Remediation Rules, 25 TAC 295.301 – 338***, May 2004.
- Occupational Safety and Health Administration, ***Respiratory Protection, 29 CFR Parts 1910.134***, January 1998.
- U.S. Department of Labor, Occupational Health and Safety Administration, ***A Brief Guide to Mold in the Workplace***.
- Environmental Protection Agency, Office of Air and Radiation, Indoor Environments Division. ***Mold Remediation in Schools and Commercial Buildings***. March 2001. EPA 402-K-01-001.
- New York City Department of Health, Bureau of Environmental and Occupational Disease Epidemiology. ***Guidelines on Assessment and Remediation of Fungi in Indoor Environments***. November 20, 2000.
- Institute of Inspection, Cleaning and Restoration, ***IICRC S520, Standard and Reference Guide for Professional Mold Remediation***, December 2003.
- National Air Duct Cleaners Association, ***Assessment, Cleaning, and Restoration of HVAC Systems***, 2001.
- OSHA Respiratory Protection Standard, 29 CFR Parts 1910 and 1926.
- Current industry best practices and guidelines.

REMEDIATION AREAS AND ESTIMATED QUANTITIES

The contaminated areas to be addressed by this Mold Remediation Work include the following area(s) located in Boy Locker B108 Shower @ Westside Aquatic Center.

Remediation Area Approximate Square Footage Specific Location

Work will consist of the removal and disposal of approximately 126 sf of mold contaminated plaster ceiling located Boys Locker Room B108 Shower.

Contractors Initials:



REMEDICATION METHODS

DESCRIPTION OF THE WORK

PROJECT DESIGN FOR:

Wall System Mold Remediation

1. Install critical barriers constructed of two layer of 6-mil plastic sheeting (to separate the work area from adjacent areas and to any penetrations) and seal all HVAC ducts with a minimum of one layer of 6-mil plastic sheeting. Install critical barriers so they remain sealed for the duration of the project. The contractor shall establish a worker decontamination enclosure equipped with a 2-stage dry decontamination unit. All bags, equipment, etc. shall exit the enclosure shall be wet-wiped and cleaned.
2. Contractor shall use appropriate respirator and clothing (Ty-vek suit) as required when in the work area. When leaving each individual work area, contractor shall remove respirator and Ty-vek suit may remain on but must be HEPA-vacuumed or the suit removed and properly disposed of prior to exiting the work area. These procedures should be followed when mold/mildew damaged wall sheathing and insulation materials are identified on the interior faces of the wall cavity system. Respiratory protection shall be, at a minimum, dual cartridge air purifying respirators equipped with HEPA filters. The respiratory assessment to determine the required protection is the responsibility of the contractor.
3. Install air scrubbers (negative air filtration units) within the work areas as required.
4. All water damaged or mold/mildew on plaster ceiling and ceramic surfaces in the work area, should be removed and disposed of beyond any visible water or mold/mildew damage on remaining surfaces. Any remaining water mold/mildew in the work area should be removed in locations identified in Apex TITANS visual assessment Remediation will commence on October 27, 2016 and Complete on October 28, 2016.

Contractors Initials:



5. All Mold Contaminated plaster ceiling will be removed and remaining substrate will be decontaminated from the shower located in Boys Lockers B108 per protocol.
6. HEPA vacuum clean all exposed accumulations of dust and debris.
7. Manually clean the ceramic walls & floors of the shower area and sanitized with a biocide (EPA approved for intended use).
8. Following the initial manual cleaning, treat all surfaces within the work area with a biocide (EPA approved for intended use).
9. All materials removed from the building to be disposed of shall be placed in plastic bags; the bags shall be wiped with a biocide and removed from the facility for disposal. Covered buggies will be required to be used to remove bagged materials from the remediation work area.
10. In areas where water/mold damage is evident on the surfaces will be HEPA Vacuum clean and sanitize and treat the affected area.
11. The remediation contractor should place the bagged waste in a covered, lockable container until removed from the site.
12. The remediation contractor and Apex TITAN shall review and verify that to the best of their knowledge the water mold damaged materials have been removed from the specified work areas and the affected areas have been sanitized.
13. Following removal of the remaining water/mold damaged materials, and debris, all areas in the remediation work areas including walls, floors, etc shall be HEPA-vacuumed and cleaned (wiped, sprayed, etc.) with a biocide (EPA approved for intended use).
14. All work will be conducted in accordance with federal, state and local regulatory requirements and guidelines. Any items not covered in the remediation protocol should be brought to the attention of Apex TITAN promptly.
15. Following the completion of the remediation work, Apex TITAN will perform airborne microbial (Air-O-Cell) sampling in the work area for post remediation air testing.

Contractors Initials: _____

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16. A letter by an officer of the remediation company that all required permits, licenses, registrations and mold remediation training, respiratory fit testing and medical examination have been completed and available on-site. The letter shall include:

- A list of each employee who will be on-site. The list must give name and social security number.
- Date and type of all training for each employee on-site.
- Date of last fit test for each employee on-site.
- Date of last medical examination for each employee on-site.
- Texas Department of State Health Services (TDSHS) license or registration number for each employee on-site.

NOTE: All documentation for the above listed items shall be available for review upon request by the Owner or his representative.

- Original executed Certificates of Worker's Release Forms.
- An executed Notification of Mold Remediation submitted to the TDSHS

PRODUCTS

The following products shall be utilized in the remediation project.

- Anti-Microbial Coating: Foster Products Corporation's "Foster 40-20" and "Foster 40-80" fungicidal protective coating, Porter Paints' "Porta-Sept" anti-microbial wall coating, Aegis Environmental's "Aegis Antimicrobial" or approved equivalent. Anti-microbial coating shall be applied according to manufacturer's instructions. Anti-microbial coating shall be allowed to thoroughly dry after application prior to covering.
- Biocide: An Environmental Protection Agency (EPA) registered biocide, such as Foster's, or approved equivalent. Biocide treatment shall be mixed and applied according to manufacture's instructions. After biocide treatment, surfaces shall be allowed to thoroughly dry.
- Cleaning Solution: Trisodium phosphate cleaning solution, such as Sentinel 805 (Sentinel Chemical Company) or approved equivalent. Cleaning solution shall be mixed and applied according to manufacturer's instructions

Contractors Initials: _____



POST REMEDIATION CLEARANCE TESTING

Apex TITAN will conduct a post-remediation assessment using visual, procedural and analytical methods. The post remediation assessment shall be conducted while the containment is in place. As part of the post-remediation assessment, Apex TITAN will determine if the area is free from all visible debris and wood rot and if the remediation has been completed in accordance with this protocol and the contractor's work plan. Clearance samples will be conducted using slit impaction air sampling cassettes. The collection media for these devices consist of a cover slip coated with a sticky transparent "acrylic" substrate. Containment clearance will require obtaining air monitoring results indicating that airborne mold spore concentrations inside the containment are no more than 40% of those obtained outside the structure at the time the sampling was performed. In addition, non-target airborne mold spore concentrations must be similar inside the containment than those obtained outside the structure at the time the sampling was performed. Target molds should be individually less than or equal to outside levels. However, no levels of *Stachybotrys* will be accepted. The target list of molds would generally include, but are not limited to, *Aspergillus*, *Penicillium*, *Aureobasidium*, *Chaetomium*, *Fusarium*, *Trichoderma*, *Stachybotrys*, and *Ulocadium*. Apex TITAN is not a moisture intrusion assessment company. The client will retain responsibility for moisture intrusion remediation. The Client is encouraged to investigate the moisture intrusion and solicit a moisture intrusion remediation company to remediate the underlying cause of mold.

Contractors Initials: _____



APPENDIX E

Analytical Results



IAQ Mold Report

Summary

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Titan, Inc. - Dallas
Project : West Side Aquatic Center
Project # : 725010727036

Lab Job No. : 16F-13679
Report Date : 10/28/2016 1:07 PM
Sample Date : 10/28/2016
Spore Trap Type: Zefon - Air-O-Cell

Sample Type: Spore Trap, Non-cultured
Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 1 of 2

On 10/28/2016, three (3) samples were submitted by Clint Jech of Apex Titan, Inc. - Dallas (located at 12100 Ford. Rd., Suite 401, Farmers Branch, TX 75234) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Number	Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter
1	150	Exterior, North * See Analytical Notes report for further details	Cladosporium Basidiospores Myxomycete / Rust / Smut Ascospores Cercospora Hyphal / Spore Fragments Drechslera / Bipolaris group Curvularia Aspergillus / Penicillium Pyricularia Nigrospora Ganoderma Spegazzinia Coprinus group Alternaria <div style="text-align: right;">Total:</div>	6800 79% 1050 12% 300 3% 100 1% 87 1% 60 <1% 33 <1% 33 <1% 27 <1% 20 <1% 20 <1% 20 <1% 13 <1% 13 <1% 7 <1% 8583 100%



IAQ Mold Report

Summary

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Titan, Inc. - Dallas
Project : West Side Aquatic Center
Project # : 725010727036

Lab Job No. : 16F-13679
Report Date : 10/28/2016 1:07 PM
Sample Date : 10/28/2016
Spore Trap Type: Zefon - Air-O-Cell

Sample Type: Spore Trap, Non-cultured**Test Method:** Mold: ASTM D7391-09 - Standard Profile

Page 2 of 2

On 10/28/2016, three (3) samples were submitted by Clint Jech of Apex Titan, Inc. - Dallas (located at 12100 Ford. Rd., Suite 401, Farmers Branch, TX 75234) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Number	Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter
2	150	Exterior, Northwest * See Analytical Notes report for further details	Cladosporium	4133 74%
			Basidiospores	927 17%
			Myxomycete / Rust / Smut	187 3%
			Ascospores	100 2%
			Cercospora	67 1%
			Nigrospora	40 <1%
			Coprinus group	27 <1%
			Drechslera / Bipolaris group	27 <1%
			Ganoderma	20 <1%
			Curvularia	20 <1%
			Epicoccum	13 <1%
			Spegazzinia	7 <1%
			Pyricularia	7 <1%
			Oidium	7 <1%
			Alternaria	7 <1%
			Total:	5589 100%
3	150	Inside Containment, Boy's Locker Room Shower	Stachybotrys	13 50%
			Basidiospores	13 50%
			Total:	26 100%

Results may not be reported except in full. Data contained in this test report relates only to the samples tested. This report does not express or imply interpretation of the results contained herein. Interpretation should be made by a qualified professional.

Moody Labs assumes no responsibility for the manner in which these samples were collected or handled prior to being received at this laboratory. Moody Labs assumes no responsibility for the qualifications of personnel performing sampling and/or interpretations of this data.

Analyst(s): Mushtaq Khan

Lab Manager : Heather Lopez

Lab Director : Bruce Crabb

Approved Signatory :

Approved Signatory :

Thank you for choosing Moody Labs

SMLMS v11.89



IAQ Mold Report

Data Detail

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Titan, Inc. - Dallas
Project : West Side Aquatic Center
Project # : 725010727036

Lab Job No. : 16F-13679
Report Date : 10/28/2016 1:07 PM
Sample Date : 10/28/2016
Spore Trap Type: Zefon - Air-O-Cell

Sample Type: Spore Trap, Non-cultured
Test Method: Mold: ASTM D7391-09 - Standard Profile

This report consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.

Sample ID:	1				2				3			
Location:	Exterior, North				Exterior, Northwest				Inside Containment, Boy's Locker Room Shower			
Media Expires On:	Sep 2017				Sep 2017				Sep 2017			
Notes Included:	See Analytical Notes				See Analytical Notes							
Volume:	150				150				150			
	raw ct.	MDL	spores/m ³		raw ct.	MDL	spores/m ³		raw ct.	MDL	spores/m ³	
Alternaria	1	6.67	7	<1%	1	6.67	7	<1%				
Ascospores	15	6.67	100	1%	15	6.67	100	2%				
Aspergillus / Penicillium	4	6.67	27	<1%								
Basidiospores	105	10.00	1050	12%	102	9.09	927	17%	2	6.67	13	50%
Cercospora	13	6.67	87	1%	10	6.67	67	1%				
Chaetomium												
Cladosporium	136	50.00	6800	79%	124	33.33	4133	74%				
Coprinus group	2	6.67	13	<1%	4	6.67	27	<1%				
Curvularia	5	6.67	33	<1%	3	6.67	20	<1%				
Drechslera / Bipolaris group	5	6.67	33	<1%	4	6.67	27	<1%				
Epicoccum					2	6.67	13	<1%				
Ganoderma	3	6.67	20	<1%	3	6.67	20	<1%				
Hyphal / Spore Fragments	9	6.67	60	<1%								
Memnoniella												
Myxomycete / Rust / Smut	45	6.67	300	3%	28	6.67	187	3%				
Nigrospora	3	6.67	20	<1%	6	6.67	40	<1%				
Oidium					1	6.67	7	<1%				
Pyricularia	3	6.67	20	<1%	1	6.67	7	<1%				
Spegazzinia	2	6.67	13	<1%	1	6.67	7	<1%				
Stachybotrys									2	6.67	13	50%
TOTALS	351		8583	100%	305		5589	100%	4		26	100%
Analyst	Mushtaq Khan				Mushtaq Khan				Mushtaq Khan			
Analysis Date	10/28/2016				10/28/2016				10/28/2016			
Debris Rating	4				3				2			
Debris Composition												
Fibers	1/5				0/5				0/5			
Inorganic/Other	3/5				2/5				1/5			
Insect Parts	1/5				1/5				0/5			
Pollen	1/5				1/5				0/5			
Skin/Dander	0/5				0/5				1/5			

End of Data Detail section
16F-13679

SMLMS v11.89



IAQ Mold Report

Analytical Notes

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Titan, Inc. - Dallas

Lab Job No. : 16F-13679

Project : West Side Aquatic Center

Report Date : 10/28/2016 1:07 PM

Project # : 725010727036

Sample Date : 10/28/2016

Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 1 of 3

This report consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.

Samples Analyzed

Sample No: 1 : Exterior, North

Notes: Please note: the minimum detection limit for Cladosporium is 50 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.
Please note: the minimum detection limit for Basidiospores is 10 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.

Sample No: 2 : Exterior, Northwest

Notes: Please note: the minimum detection limit for Cladosporium is 33 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.
Please note: the minimum detection limit for Basidiospores is 9 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.

Field Blanks

No discernable field blanks were submitted with this set of samples.

NOTE: All remaining samples suitable for analysis.



IAQ Mold Report

Analytical Notes

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex Titan, Inc. - Dallas

Lab Job No. : 16F-13679

Project : West Side Aquatic Center

Report Date : 10/28/2016 1:07 PM

Project # : 725010727036

Sample Date : 10/28/2016

Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 2 of 3

This report consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.

Methods

Method: ASTM D7391-09. A standard spore trap reading consists of a 30% reading for small spores; 100% of the sample is read for medium and large spores. A 100% reading is provided for containment samples, upon request, or otherwise as noted. Use final spore concentrations, not raw spore counts, for interpretation of results.

Calculation: Spores/cubic meter = (Raw spore count)*(MDL)

Note: MDL (Minimum Detection Limit) is calculated based upon 1 raw spore count.

Moody Labs recommends two significant figures for calculated values based on ASTM D7391-09.

This report must not be used by the customer to claim product certification, approval, or endorsement by AIHA, ISO, or any agency of the Federal Government.

Debris Rating Key

0 - No linear trace detected

1 - Trace particulate/debris

2 - Light particulate/debris

3 - Moderate particulate/debris.

4 - Substantial particulate/debris

5 - Extensive particulate/debris

6 - Field blank

10 - Hold Sample

11 - Modified Analysis per Client Instructions

NOTE: Particulate/debris are defined as skin, fibers, pollen grains, insect parts, fungal and/or other non-fungal particles.



IAQ Mold Report

Analytical Notes

DSHS License No.: LAB0117

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Lab Job No. : 16F-13679
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Sample Date : 10/28/2016

Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 3 of 3

This report consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.



LAB # 102577



End of Analytical Notes section

16F-13679

APPENDIS F

Moisture Intrusion Remediation Statement and MDR-1 Form

Veronica Ewald

From: Siddall, Paul <siddallp@lisd.net>
Sent: Thursday, November 17, 2016 6:41 AM
To: Veronica Ewald
Subject: RE: Westside Aquatic Center Mold Remediation

Veronica...

Statement:

"The cause of the mold was due to **ventilation fans not working**. This was repaired by **adding a vent on the inside of the shower and replacing the vent fan** . Therefore, I certify with reasonable certainty that the underlying cause of mold has been remediated."

If you need anything else, let me know.

Thanks,
Paul

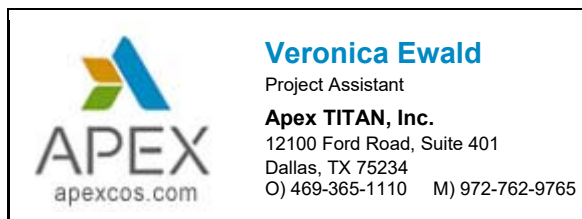
From: Veronica Ewald [mailto:VEwald@apexc.com]
Sent: Wednesday, November 16, 2016 3:58 PM
To: Siddall, Paul
Cc: Darren G Bowden
Subject: Westside Aquatic Center Mold Remediation

Paul,

For Apex to complete the mold remediation report, the State of Texas requires the below statement to be completed. You can copy the statement, filling in the blanks and send back to us via email on either company letterhead or an email statement. Please contact us with any questions.

Statement:

The cause of the mold was due to _____. This was repaired by doing _____. Therefore, I certify with reasonable certainty that the underlying cause of mold has been remediated.



Privacy Notice: This message and any attachment(s) hereto are intended solely for the individual(s) listed in the masthead. This message may contain information that is privileged or otherwise protected from disclosure. Any review, dissemination or use of this message or its contents by persons other than the addressee(s) is strictly prohibited and may be unlawful. If you have received this message in error, please notify the sender by return e-mail and delete the message from your system. Thank you.

CERTIFICATE OF MOLD DAMAGE REMEDIATION

Certificate Number 16-03-113 Date of Issuance October 28, 2016

Name Lewisville Independent School District-ATT: Mr. Paul Siddall

Mailing Address 340 Lake Haven

City Lewisville State Texas Zip 75057

Property Description:

Name/Description Westside Aquatic Center Boys Lockers B108 Shower

Number 1750 Street Duncan Lane Lot N/A Block Unknown

Addition or Tract N/A City Lewisville County Denton

Mold Assessment Consultant License Holder Certification

- I hereby certify that based on visual, procedural and analytical evaluation, the mold contamination identified for this project has been remediated as outlined in the mold management plan or remediation protocol.
- I further certify with reasonable certainty that the underlying cause or causes of the mold that were identified for this project in the mold management plan or remediation protocol have been remediated. A copy of the written evaluation that forms the basis for my certification has been provided to the person named in this certificate.


Mold Assessment Consultant
License Holder Signature

MAC0321, 2/15/2018
Department of State Health Services
Mold Assessment Consultant
License No. and Expiration Date

10/28/2016
Date

Mold Remediation Contractor License Holder Certification

- I hereby certify that I completed mold remediation on this project and will provide the mold remediation certificate to the property owner no later than the 10th day after the date of completion.


Mold Remediation Contractor
License Holder Signature

MRC-1243 - Expires 12-12-17
Department of State Health Services
Mold Remediation Contractor
License No. and Expiration Date

10/28/2016
Date of
Completion

Mold Assessment Consultant or Adjustor License Holder Certification

- I hereby certify that I have inspected the property described in this certificate and that based on my inspection I have determined that the property does not contain evidence of mold damage. A copy of the written evaluation that forms the basis for my certification has been provided to the person named in this certificate.

N/A
Mold Assessment Consultant /
Adjuster License Holder
Signature

N/A
Department of State Health Services
Mold Assessment Consultant /
Adjuster License
No. and Expiration Date

N/A
Date

APPENDIX G

Mold Assessment Consultant Licenses



TEXAS DEPARTMENT OF STATE HEALTH SERVICES

Be it known that

APEX TITAN INC

is licensed to perform as a

Mold Assessment Company

in the State of Texas and is hereby governed by the rights, privileges, and responsibilities set forth in Title 25, Texas Administrative Code, Chapter 295, relating to Texas Mold Assessment and Remediation Rules, as long as this license is not suspended or revoked.

A handwritten signature in black ink, appearing to read "John Hellerstedt".

John Hellerstedt, M.D.
Commissioner of Health

License Number: ACO1061

Expiration Date: 4/16/2018

Control Number: 6852

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE



TEXAS DEPARTMENT OF STATE HEALTH SERVICES

BE IT KNOWN THAT

DARREN G BOWDEN

is hereby licensed and authorized to perform as a

Mold Assessment Consultant

in the State of Texas and is hereby governed by the rights, privileges, and responsibilities set forth in Title 25, Texas Administrative Code, Chapter 295, relating to Texas Mold Assessment and Remediation

Rules, as long as this license is not suspended or revoked.

A handwritten signature in black ink, appearing to read "Kirk Cole".

Kirk Cole, Interim
Commissioner of Health

License Number: MAC0321

Control Number: 8416

Expiration Date: 2/15/2018

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE



**Texas Department of
State Health Services**

Mold Assessment Consultant

DARREN G BOWDEN

License No. MAC0321

Control No. 8416

Expiration Date: 2/15/2018





TEXAS DEPARTMENT OF STATE HEALTH SERVICES

BE IT KNOWN THAT

CLINTON S JECH

is hereby licensed and authorized to perform as a

Mold Assessment Technician

in the State of Texas and is hereby governed by the rights, privileges, and responsibilities set forth in Title 25, Texas Administrative Code, Chapter 295, relating to Texas Mold Assessment and Remediation Rules, as long as this license is not suspended or revoked.

A handwritten signature in cursive script, appearing to read "John Hellerstedt".

John Hellerstedt, M.D.
Commissioner of Health

License Number: MAT1075

Control Number: 6725

Expiration Date: 3/12/2018
(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE



**Texas Department of
State Health Services**

Mold Assessment Technician

CLINTON S JECH

License No. MAT1075

Control No. 6725

Expiration Date: 3/12/2018





TEXAS DEPARTMENT OF STATE HEALTH SERVICES

Be it known that

STEVE MOODY MICRO SERVICES LLC

is licensed to perform as a

Mold Analysis Laboratory

in the State of Texas and is hereby governed by the rights, privileges, and responsibilities set forth in Title 25, Texas Administrative Code, Chapter 295, relating to Texas Mold Assessment and Remediation Rules, as long as this license is not suspended or revoked.

A handwritten signature in black ink, appearing to read "Kirk Cole".

Kirk Cole, Interim
Commissioner of Health

License Number: LAB0117

Expiration Date: 12/1/2017

Control Number: 6533

(Void After Expiration Date)



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Steve Moody Micro Services, LLC

2051 Valley View Lane, Farmers Branch, TX 75234

Laboratory ID: 102577

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:
- Accreditation Expires:
- Accreditation Expires: 09/01/2017
- 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 R Schultz

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Revision 14: 03/26/2014

Cheryl O. Morton

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

Date Issued: 05/28/2015



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

Steve Moody Micro Services, LLC
2051 Valley View Lane, Farmers Branch, TX 75234

Laboratory ID: **102577**
Issue Date: 05/28/2015

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.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 06/01/2003

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Fungal	Air - Culturable	SOP Q-00039	In House: Determination of Fungal Concentrations in Airborne Samples (cultured)
	Bulk - Culturable	SOP Q-00040	In House: Determination of Fungal Concentration in Bulk and Surface Samples (cultured)
	Surface - Culturable	SOP Q00040	In House: Determination of Fungal Concentrations in Bulk and Surface Samples (cultured)
	Air - Direct Examination	SOP Q-00037	ASTM D7391-09 (Modified): Determination of Fungal Concentrations in Airborne Samples Utilizing Brightfield Microscopy (noncultured)
	Bulk - Direct Examination	SOP Q-00038	In House: Determination of Fungal Particulates in Bulk and Surface Samples Utilizing Brightfield Microscopy (noncultured)
	Surface - Direct Examination	SOP Q-00038	In House: Determination of Fungal Particulates in Bulk and Surface Samples Utilizing Brightfield Microscopy (noncultured)

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