

October 14, 2013

Mr. Bernard P. Orlan
Director, Environmental Health & Safety
New York City Department of Education
44-36 Vernon Boulevard
Long Island City, NY 11101

Subject: Limited Moisture Remediation
William Bryant H.S. (Q445)
48-10 31st Avenue
LIC, NY 11106
Project No. 15.19125.1731

ATC Group Services, Inc.
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Dear Mr. Orlan:

Cardno ATC is pleased to provide this report of limited moisture remediation oversight services conducted from October 11, 2013 through October 14, 2013 at William Bryant H.S. Q 445, located at 48-10 31st Avenue, LIC, NY 11106 (the "Site"). The New York City Department of Education (DOE) requested that Cardno ATC conduct these services in relation to remediation activities being conducted by a qualified third party contractor in TCU # 3, 4, 5, and 6 of the school.

SUMMARY

From October 11, 2013 through October 14, 2013, ABC Construction Contracting Inc. was hired to conduct moisture remediation in TCU # 3, 4, 5, and 6 located at the backyard of the school. Cardno ATC observed the contractor activities and made recommendations for corrective actions on-site at the time of the remediation activities. The remediation work was done during a period of non-occupancy and based on Cardno ATC's inspection and recommendations. Cardno ATC noted the following:

- ABC used mold resistant sheetrock to replace the wet damage sheetrock walls;
- ABC replaced wet damage plywood floors with new plywood and covered with new vinyl 12X12 floor tiles;
- ABC removed damage floor tiles, leveled the floor and installed new 12X12 vinyl floor tiles to prevent trip hazards;
- ABC painted the stained areas with no SVMG and new installed sheetrock walls with mold resistant paint;
- ABC replaced all units' vinyl baseboard;
- ABC detailed cleaned and disinfected all units including walls, ceilings, light fixtures, air vents and return air openings, floors and furniture;

- The remediation work was done following the guidelines in the New York City Department of Health and Mental Hygiene (DOHMH) publication Guidelines on Assessment and Remediation of Fungi in Indoor Environments as a reference for recommended actions based on the findings during the initial and ongoing inspection and recommendations.

The following table summarizes the remediation / repair work completed in the TCU # 3, 4, 5, and 6

Location	Remediation Actions Completed by ABC contractor
TCU # 03	<p>Classroom: Approx 12 SF of sheetrock wall by the entry door was replaced; Approx 30 SF of plywood floor were removed leveled and replaced with new tiles;</p> <p>Inner toilet: Remove and replaced 35 SQF wet plywood floor and baseboard.</p>
TCU # 04	<p>Classroom: Approx 22 SF of sheetrock wall by the entry door was replaced; Approx 20 SF of plywood floor were removed leveled and replaced with new tiles;</p> <p>Inner toilet: Remove and replaced baseboard.</p>
TCU # 05	<p>Classroom: Approx 96 SF of sheetrock wall by the entry door and under windows by door to TCU # 6 was replaced;</p> <p>Inner toilet: Remove and replaced baseboard.</p>
TCU # 06	<p>Classroom: Approx 28 SF of sheetrock wall by the entry door was replaced; Approx 16 SF of plywood floor were removed leveled and replaced with new tiles;</p> <p>Inner toilet: Remove and replaced 35 SQF wet plywood floor and baseboard; Removed and replaced 14 SQF wet sheetrock</p>

CONCLUSION & RECOMMENDATIONS

Based on the moisture remediation oversight and final visual inspection, Cardno ATC concludes that the remediation and cleaning in TCU # 3, 4, 5, and 6 located at the backyard of the school was complete and effective. TCU # 3, 4, 5, and 6 were suitable for occupancy at the time of completing the moisture remediation and cleaning. However Cardno ATC recommends: Finding and fixing any points of water leaks from the plumbing system / AC units' water condensation, roof ...etc. to prevent the recurrent of the problem.

LIMITATIONS

This report has been prepared to assist The New York City Department of Education with an evaluation of water damages to furnishings and building materials in the Client Site identified as Bryant H.S. Q 445, located at 48-10 31st Avenue, LIC, NY 11106. Our objective was to perform our work with care, exercising the customary skill and competence of consulting professionals in the relevant disciplines in this region. The opinions presented in this report are based solely upon limited observations of conditions in the school, at the time of our investigation. Cardno ATC cannot act as insurers, and no expressed or implied representation or warranty is included or intended in our report except that our work was performed, within the limits prescribed by our client, with the customary thoroughness and competence of our profession at the time and place the services were rendered. Additionally other possible building material hazards such as asbestos and lead-based paint were not included as part of

this evaluation and may require proper sampling for proper personnel protective equipment prior to disturbance. Other unidentified microbiological contamination may be located within walls, ceiling cavities, below flooring or grade, and other non-accessible areas. Precaution should be used during future investigations or renovations. The condition of microbiological impact may change gradually or suddenly, depending upon time and conditions.

The scope of services performed was limited to those described in the Cardno ATC proposal to The New York City Department of Education, or in modifications to the proposal, as mutually agreed upon by Cardno ATC and The New York City Department of Education. It is understood that no environmental investigation can wholly eliminate uncertainty regarding the potential for adverse environmental conditions or health risks. This investigation was intended to reduce, although not eliminate, such uncertainties.

This is to confirm that Cardno ATC has no present or prospective interest in the subject property, and that the preparers of the report have no personal bias with respect to the property or to the parties involved.

It is our pleasure to provide these consultative services to the New York City Department of Education. Please contact us if you have any questions about these services.

Sincerely,



Wagdi Abdelshahid
Industrial Hygienist
for Cardno ATC

Enc: DOE Work Oder # 00512333 01

File: Document1

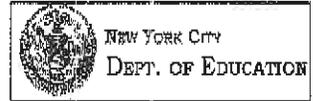
Facility: DSF DIVISION OF SCHOOL FACILITIES
 Unit : Q Project :
 W/O Type: CO Priority: 04 W/O Dspln: H
 Planner : GBAUER2 BAUER
 W/O Title : 75/30Q445/ INSPECT FOR A POSSIBLE M
 W/O Task Title: 75/30Q445/ IAQ TEST
 Written To : WILLIAM C. BRYANT HS - Q
 Task Dspln : Completed By:



Work Order Package

00512333 01

Rpt : TIPMC11
 Date: 10/08/2013



Page: 1

Work Order Task Written To

Facility : DSF	Unit : Q	Op Sys : GEO-30
Division : ABLDG Q445	Area : ISC2	Sys/Cls: Q445
Equipment : ABLDG Q445	Component:	
Work Item :	Eqt. List:	Ops Review Req'd: N
Equip. Tag:	Alt:	
UTC :	Tbl/Brkdwn: (Past 12 mo)	
Catalog ID:	Job Type : ET UCR: GN14	
Client/Act: PFED9045	PAUL FEDERICO	
Location : Q00 73900005 000001 48 -10 31 AV, LONG ISLAND CITY, NY 11103	Activity :	User Def:
Cost Centr: G837	Acct No. : GL	
Percentage: 100.000		

Work Order Task Instructions

inspect for a possible mold condition and remediate as necessary
 tcu's 3,4,5,6
 PAUL FEDERICO 718-545-5412

Completion Comments on Work Performed

Completion Comments Required : N

Comments:

Comments:

Comments:

Continued on Additional Sheets? : _____