



AR REMEDIATION CORPORATION

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August 24, 2009

Lake Zurich C.U.S.D. #95
Attention: Mr. Rick Marzec
100 Church Street
Lake Zurich, Illinois 60047

**Re: Lead-Based Paint Inspection and Testing Services
May Whitney-Annex
ARR Project # AR09-1107**

Dear Mr. Marzec:

On August 21, 2009 an inspector from AR Remediation Corporation (ARR), Ms. Kathleen Wahl, an Illinois Department of Public Health (IDPH) licensed Lead Inspector and Risk Assessor, performed a limited lead-based paint (LBP) survey and selective X-Ray Fluorescence (XRF) testing using an XRF Spectrum Analyzer at the May Whitney-Annex located at 100 N. Church Street, Lake Zurich, Illinois.

The areas that were inspected in the 1929, 1950 1982 constructions are as follows:

- Concrete substrate ceilings above the 2 X 4 Lay-In barrier ceilings (1929, 1950, 1982)
- Concrete beams above the 2 X 4 Lay-In barrier ceiling in the (1950)
- Walls in the Cafeteria (1950)
- Concrete substrate ceilings in the Cafeteria found above 1'X 1' ceiling tiles (1950)

The areas were visually inspected and non-destructive testing of various painted surfaces utilizing an XRF Spectrum Analyzer was performed to determine the presence and absence of LBP. The federal definition of lead-based paint is limited to surface coatings that contain lead greater than 1.0 mg/cm² using a field XRF Spectrum Analyzer or 0.5% by weight or 5,000 parts per million (ppm).

Paint chip samples were collected and sent under chain -of -custody procedures and sent to EMSL Inc., an accredited laboratory. Samples were analyzed in accordance with EPA standard method SW 846 3050B/7420, flame atomic absorption spectroscopy.

During this inspection as the surface coatings were tested with the XRF Analyzer the inspector recorded the results on the XRF sample sheets under the heading "XRF Reading". The components with readings over 1.0 mg/cm² are considered to be lead containing. The substrate, component, color of the paint, condition and classification is also recorded on the XRF sample sheets

In this inspection the concrete substrate ceilings, concrete ceiling beams and wall components tested with the XRF Spectrum Analyzer tested negative for lead based paint (LBP) in the 1929 and 1950 constructions. In Room 100 of the 1929 construction the XRF testing result of the substrate ceiling was **negative** however one paint chip sample was also taken from the concrete substrate ceiling. The results of the paint chip sample will be determined in 5 to 6 business days. The concrete substrate ceiling in Room 101 was visually inspected but not tested with the XRF. The condition of the paint on this component is in intact and there is no damage to the paint. In the 1950 construction Room 108 and the Cafeteria substrate ceiling are painted and were tested with the XRF. In Room 13 the substrate ceiling is unpainted, however the ceiling beam is painted and was tested with the XRF and tested **negative**. In the 1950 construction the substrate ceiling on the 2nd floor are unpainted in the rooms that were inspected. In

the 1882 construction the substrate ceiling above the 2 X 4 Lay-In barrier ceiling was also inspected in one of the rooms although the 1982 construction is not considered suspect for LBP because it was constructed after lead paint was banned. The substrate ceiling was found to be unpainted metal.

Areas which tested Negative for LBP with XRF Spectrum Analyzer:

- 1929 Construction:
 - Room 100: **CONCRETE SUBSTRATE CEILING** (paint chip sample also taken)
- 1950 Construction:
 - Room 108: **CONCRETE SUBSTRATE CEILING**
 - Room 13: **CONCRETE CEILING BEAM**
 - Cafeteria: **CONCRETE SUBSTRATE CEILING**
 - Cafeteria: **CINDER BLOCK AND PAINTED GLAZED TILE WALLS**
 - Room 216: **CEILING UNPAINTED**
 - Room 219: **CEILING UNPAINTED**
 - Room 222: **CEILING UNPAINTED**
 - Room 13: **CEILING UNPAINTED**

Areas which tested Positive for LBP with XRF Spectrum Analyzer:

- 1929 Addition -- None
- 1950 Addition -- None

Summary:

The classroom components that were tested were considered representative of the others in each specific construction in that it was the same or similar to the others in construction, materials, paint color and assumed paint histories.

The concrete substrate ceiling above the barrier 2 x 4 Lay-In ceilings in Rooms 100, 108, 13 and the Cafeteria tested **negative** with the XRF Spectrum Analyzer. The walls below the 2 X 4 Lay-In barrier ceilings that were inspected and tested with the XRF in the previous April 2009 lead inspection also tested **negative** with the XRF.

The XRF readings, and credentials of the inspector/risk assessor are attached to this report. The laboratory results of the paint chip sample will be determined in 5 to 6 business days and the laboratory credentials and results will be sent to the District at that time.

Our professional services have been performed using the degree of care and skill ordinarily exercised under similar circumstances by other environmental professionals practicing in this field.

If you require additional information or have any questions, please contact me at 630-871-1900.

Sincerely,

AR REMEDIATION CORPORATION

Kathleen Wahl

Kathleen Wahl
Vice President