April 22, 2011

Mr. John Clevenger
Indiana Department of Environmental Management
Office of Air Quality
PO Box 6015
100 N. Senate Avenue
Indianapolis, IN 46206-6015

jcleveng@idem.in.gov

Re: **Former Studebaker Plant**
        Prairie Avenue, South Bend, IN
        Demolition Procedures

Dear Mr. Clevenger:

I prepared this letter to follow-up our telephone conversation a couple of weeks ago. The issue at hand is the demolition of the former Studebaker Foundry Building (Building #85), located in South Bend, Indiana. This building has five (5) transite storage sheds located on the roof. In following the NESHAP demolition procedures for asbestos removal, Dore and Associates Contracting (demolition contractor) has evaluated their options for the removal of the transite sheds prior to demolition. They have consulted with us, Amereco, and Applied Technologies (structural engineer).

Applied Technologies has determined that the roof is in very poor condition and not safe to walk on or load them in any way, because failure can occur suddenly. For this reason, we have prepared the following procedures to be used to address the transite panels during the demolition process.

1. Dore will begin demolition of the facility directly from the outside of the building to the area where the transite sheds are located on the roof.
2. The area below the transite sheds will be secured using barrier tape and asbestos warning signs.
3. A copious amount of water will be applied to the transite using a fire hose to adequately wet the transite prior to and during demolition.
4. Once demolished, the transite will be collected, packaged and labeled for disposal as regulated asbestos waste.
5. The concrete floor below the transite sheds will be cleaned of all visible transite ACM. The floors will be mopped clean and encapsulated with an EPA approved post abatement asbestos encapsulant.
6. Air monitoring will be performed during the toppling of the transite sheds. Samples will be analyzed by NIOSH Method 7400 for airborne fiber concentration.

Please call if you have any questions.

Respectfully,

John Blosky, CHMM
Project Designer
License #190823109 Exp. 1/3/12

Attachments: Applied Technologies Letter
                 Aerial Photograph

Applied Technologies, Inc.

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Brookfield, Wisconsin 53005

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March 30, 2011

Mr. Jeffrey C. Teagarden
Dore & Associates Contracting, Inc.
900 Harry S. Truman Parkway
Bay City, MI 48706

Subject: Studebaker Area A Demolition Phase IV
             Project 109-032
             1100 Prairie Avenue
             South Bend, IN 46601

Dear Jeff:

The purpose of this letter is to present our opinion on the structural condition and capacity for the roof system for the Studebaker Plant located in South Bend, Indiana as defined above.

The roof system appears to be constructed of large steel trusses spaced at approximately 20' on center with steel roof beams that span between the trusses and are spaced at the panel points of the truss which is approximately 5'-6" o.c. A 3" think precast concrete panel spans between the steel roof beams to form the roof deck. These 3" precast concrete panels are 2'-0" wide with a 1" think top and bottom and a 1" void at the center.

The concrete panels also have a 1" thick longitudinal web and a 1" thick diaphragm at midspan. The panels are reinforced with welded wire fabric.

These precast concrete panels are in very poor condition with multiple signs of deterioration, water intrusion, rusting welded wire fabric and in many cases they have already failed. For the reasons stated above it would not be safe to walk on these panels or load them in any way because failure could occur suddenly.

The steel members that support these precast concrete panels are also severely deteriorated and show varying signs of section loss.

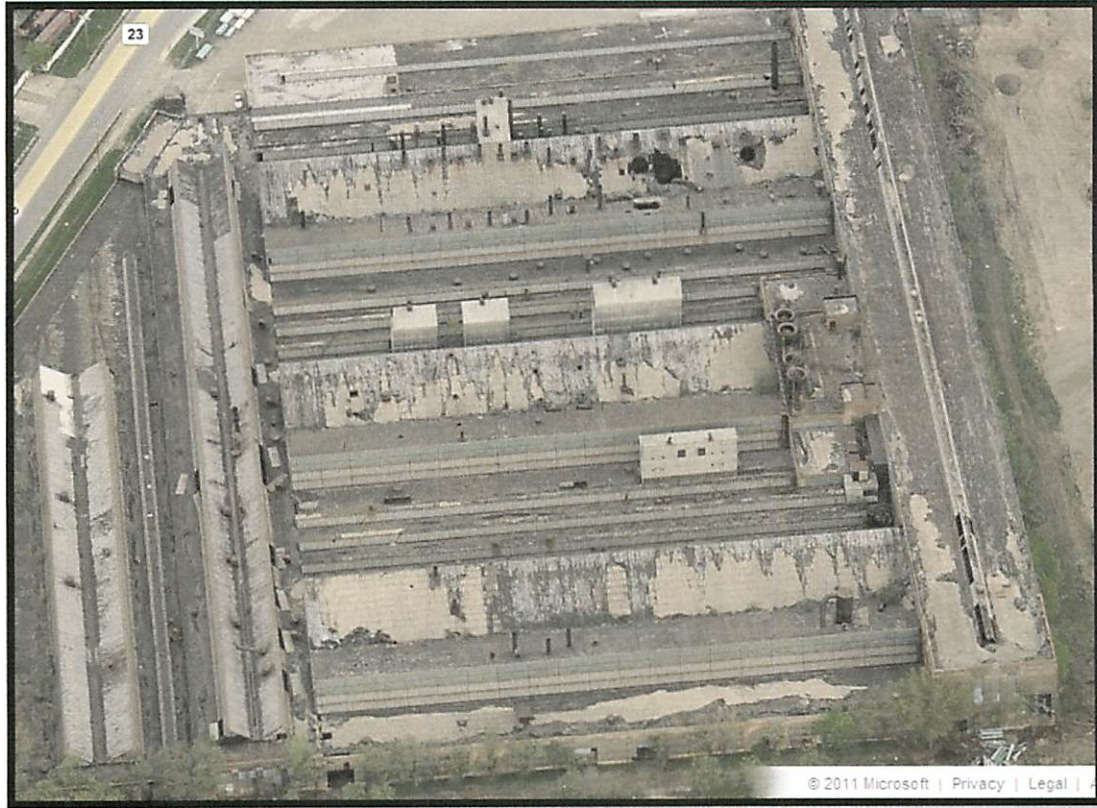Please call if you have additional questions or comments.

Sincerely,
Applied Technologies, Inc.

Robert C. Janke, S.E., P.E.

Studebaker Facility – Building #85

View of Building From South, Looking North

View of Building From East, Looking West