Client:

Mr. Jeff Teagarden

Dore and Associates

Project:

Studebaker Phase IV

Building #85

South Bend, Indiana

Project No.

10.2466

Date Inspected:

December 21, 2010

Analysis/Method:

Asbestos - Bulk Material / Polarized Light Microscopy (EPA 600/M4-82-020)

| SAMPLE ID | MATRIX | LOCATION and DESCRIPTION                    | <u>ASBESTOS</u> | NON-ASBESTOS                     |  |
|-----------|--------|---|-----------------|----------------------------------|--|
| 85-01A    | MISC   | Debris on ground - Drywall like<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Cellulose |  |
| 85-01B    | MISC   | Debris on ground - Drywall like<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Cellulose |  |
| 85-01C    | MISC   | Debris on ground - Drywall like<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Cellulose |  |
| 85-01D    | MISC   | Debris on ground - Drywall like<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Cellulose |  |
| 85-02A    | MISC   | Firebrick coating - Furnace # 1<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02B    | MISC   | Firebrick coating - Furnace # 2<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02C    | MISC   | Firebrick coating - Furnace # 3 Tunnel      | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02D    | MISC   | Firebrick coating - Furnace # 4<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02E    | MISC   | Firebrick coating - Furnace # 5<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02F    | MISC   | Firebrick coating - Furnace # 6<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02G    | MISC   | Firebrick coating - Furnace # 7<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-02H    | MISC   | Firebrick coating - Furnace # 8<br>Tunnel   | ND              | 90-95% Binder<br>5-10% Other     |  |
| 85-03A    | MISC   | Debris on ground - Pile against wall Tunnel | ND              | 90-95% Binder<br>5-10% Cellulose |  |

| SAMPLE ID | MATRIX | LOCATION and DESCRIPTION                               | ASBESTOS NON-ASBEST                 |                                  |  |
|-----------|--------|--|-------------------------------------|----------------------------------|--|
| 85-04A    | MISC   | Casting material - Abandoned form Tunnel               | ND ND                               | NON-ASBESTOS<br>90-95% Binder    |  |
| 85-05A    | MISC   | Damaged drywall on ground<br>Tunnel - Small room       | 5-10% Othe<br>ND 90-95% Bind        |                                  |  |
| 85-06A    | TSI    | Furnace door insulation - Furnace # 7<br>Tunnel        | 5-10% Cellul<br>ND 90-95% Bind      |                                  |  |
| 85-06B    | TSI    | Furnace door insulation - Furnace # 6                  | 5-10% Celli<br>ND 90-95% Bit        |                                  |  |
| 85-07A    | MISC   | Window glazing<br>Second floor - Large open area       | 1-5% Chrysotile                     | 5-10% Cellulose<br>95-99% Binder |  |
| 85-07B    | MISC   | Window glazing Second floor - West middle office       | Not Analyzed                        |                                  |  |
| 85-07C    | MISC   | Window glazing<br>Second floor - Southwest locker room | Not Analyzed                        |                                  |  |
| 85-08A    | TSI    | Duct insulation<br>Large Shaker A                      | 5-10% Chrysotile 90-95% Binder      |                                  |  |
| 85-08B    | TSI    | Duct insulation<br>Large Shaker B                      | Not Analyzed                        |                                  |  |
| 85-08C    | TSI    | Duct insulation<br>Large Shaker C                      | Not Analyzed                        |                                  |  |
| 85-08D    | TSI    | Duct insulation<br>Large Shaker D                      | Not Analyzed                        |                                  |  |
| QAQC-1    | MISC   | Duplicate of Sample 85-02B                             | ND 90-95% Binder<br>5-10% Cellulose |                                  |  |

ND = None Detected (Asbestos not detected above the detection limit of PLM Methodology.)

Analyzed by: SAC

Ref Number: 293321

Inspector:

19EM License # 194722076 Expiration Date: 09/24/2011

Page 2 of 2

Built-up Roofing Thermal System Insulation Surfacing Material Miscellaneous Material Binder Constituents

BUR = TSI =

Surf = Misc = Other =

Client:

Mr. Jeff Teagarden

Dore & Associates Contracting, Inc. 900 Harry S. Truman Parkway Bay City, Michigan 48706

Project:

Studebaker - Phase IV

Foundry Building (Building # 85)

Project No.

11.2466

Date Inspected:

December 21, 2010

Analysis/Method:

Asbestos - Bulk Material / Polarized Light Microscopy (EPA 600/M4-82-020)

| SAMPLE ID | MATRIX | LOCATION and DESCRIPTION                               | ASBESTOS | NON-ASBESTOS |  |
|-----------|--------|--|----------|--------------|--|
| 85-07B    | Misc   | Second Floor - West Middle Office<br>Window Glazing    | NA       |              |  |
| 85-07C    | Misc   | Second Floor - Southwest Locker Room<br>Window Glazing | NA       |              |  |

Notes:

ND = None Detected (Asbestos not detected above the detection limit of PLM Methodology.) NA = Not Analyzed

Analyzed by: SAC

Ref Number: 293996

Inspector:

DEM License # 194722076 Expiration Date: 09/24/2011 BUR = Built-up Roofing

TSI = Thermal System Insulation
Surf = Surfacing Material
Misc = Miscellaneous Material

Other = Binder Constituents

Client:

Mr. Jeffrey C. Teagarden

Dore and Associates Contracting, Inc.

900 Harry S. Truman Parkway Bay City, Michigan 48706

Project:

Studebaker Phase IV

Foundry Building - Building # 85 Engineering Building - Building # 92

Project No.

10.2466

Analysis:

Point Count Asbestos - Bulk Material

Method:

Polaraized Light Method: EPA 600/M4-82-020 Quantitation using 400 Point Count Procedure

| SAMPLE<br>ID | MATRIX | LOCATION and DESCRIPTION  | Points on<br>Asbestos | Points on<br>Non-Asbestos | %<br>Asbestos |
|--------------|--------|---|-----------------------|---------------------------|---------------|
| 85-07A       | Misc   | Foundry (Building # 85)<br>Second Floor - Large Open Area<br>Window Glazing             | 7                     | 393                       | 1.75          |
| 92-01B       | Misc   | Engineering Building (Building # 92) First Floor - West Side of Building Window Glazing | 3                     | 397                       | 0.75          |

ND=None Detected (Asbestos not detected above the detection limit of PLM Methodology.)

Analyzed by: SAC

Inspector,

Ref Number(s): 293995 & 293997

DEM License # 194722076

Expiration Date: 09/24/2011

BUR = Built-up Roofing

TSI = Thermal System Insulation

Surf = Surfacing Material

Misc = Miscellaneous Material
Other = Binder Constituents

Client:

Mr. Jeff Teagarden

Dore & Associates Contracting, Inc. 900 Harry S. Truman Parkway Bay City, Michigan 48706

Project:

Studebaker - Phase IV

Foundry Building (Building #85)

Project No.

11.2558

Date Inspected:

February 23, 2011

Analysis/Method:

Asbestos - Bulk Material / Polarized Light Microscopy (EPA 600/M4-82-020)

SAMPLE ID MATRIX LOCATION and DESCRIPTION **ASBESTOS** NON-ASBESTOS 85-09A Misc Built-up roofing-North Chrysotile 5-10% 90-95% Binder 85-09B Misc Built-up roofing-Northwest Chrysotile 5-10% 90-95% Binder 85-09C Misc Built-up roofing-West Chrysotile 5-10% 90-95% Binder 85-07D Misc Window glazing compound (pink) ND 99-100% Binder North Wall 2<sup>nd</sup> Floor 85-07E Misc Window glazing compound (gray) Chrysotile1-5% 95-99% Binder East 85-07F Misc Window glazing compound (gray) ND 99-100% Binder Northwest (very thick glazing) 85-07G Misc Window glazing compound Chrysotile1-5%

ND = None Detected (Asbestos not detected above the detection limit of PLM Methodology.)

From fiberglass panels (west)

Analyzed by: SAC

Ref Number: 293994

Inspector:

IDEM License # 198701061 Expiration Date: 12/04/2011 BUR = **Built-up Roofing** 

TSI =

Thermal System Insulation

95-99% Binder

Surf = Misc =

Surfacing Material Miscellaneous Material

Other =

**Binder Constituents** 

Client: Mr. Jeffrey C. Teagarden

Dore and Associates Contracting, Inc.

900 Harry S. Truman Parkway Bay City, Michigan 48706

Project: Studebaker Phase IV

Foundry - Building #85

Project No. 11.2558

Analysis: Point Count Asbestos - Bulk Material

Method: Polaraized Light Method: EPA 600/M4-82-020

Quantitation using 400 Point Count Procedure

| SAMPLE<br>ID | MATRIX | LOCATION and DESCRIPTION  | Points on<br>Asbestos | Points on<br>Non-Asbestos | %<br>Asbestos |
|--------------|--------|---|-----------------------|---------------------------|---------------|
| 85-09A       | BUR    | Foundry (Building # 85)<br>North Side<br>Built-up Roofing                     | 30                    | 370                       | 7.50          |
| 85-09B       | BUR    | Foundry (Building # 85)<br>Northwest Side<br>Built-up Roofing                 | 27                    | 373                       | 6.75          |
| 85-09C       | BUR    | Foundry (Building # 85)<br>West Side<br>Built-up Roofing                      | 29                    | 371                       | 7.25          |
| 85-07E       | Misc   | Foundry (Building # 85) East Side Window Glazing Compound - Gray              | 9                     | 391                       | 2.25          |
| 85-07G       | Misc   | Foundry (Building # 85) West Side - Fiberglass Panels Window Glazing Compound | 11                    | 389                       | 2.75          |

ND=None Detected (Asbestos not detected above the detection limit of PLM Methodology.)

Analyzed by: SAC BUR = Built-up Roofing

Ref Number: 294247 TSI = Thermal System Insulation Surf = Surfacing Material

Surf = Surfacing Material
Misc = Miscellaneous Material
Other = Binder Constituents

Inspector: WWW

DEM License # 198701061 Expiration Date: 12/04/2011

ldhn Blosky