



February 25, 2022

Ms. Megan Kuczka
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

**RE: Sub Slab Depressurization System Inspection
127 Harrison Street
Former Buffalo China Site C915209**

Dear Ms. Kuczka:

LiRo Engineers, Inc. (LiRo) completed an inspection of the Sub Slab Depressurization System (SSDS) installed at the property located at 127 Harrison Street. The inspection was performed on February 18, 2022 and consisted of the following components:

- Inspection of the vent fan, vent fan wiring, piping, and labelling;
- Inspection of the sump crock cover;
- Obtaining a pressure reading from the manometer located on the system vent piping; and,
- Performance of a field extension test by obtaining a pressure reading from beneath the basement floor slab at a dedicated sampling port.

Overall, all components of the SSDS were found to be working properly and the system is in very good condition. A minor air leak was found at the sump crock cover where a plug had been removed (audible suction of air could be heard). This problem was quickly remedied by installing a new plug in the cover. The homeowners also asked about the operation of the system and where the components were located. LiRo provided the homeowners with a detailed description of the SSDS and showed where all of the components are located as well as explaining how to identify if there are issues with the operation.

A copy of the Site Inspection Form is attached for your review.

If you have any questions, please do not hesitate to contact me at (716)-970-4136.

Sincerely,
LiRo Engineers, Inc.

Jon Williams
Senior Geologist

Encl.

C.c. Kevin Callahan – Hayes Place Management Group
Scott Brady – Hayes Place Management Group

**SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209**

INSPECTION DATE: 2/18/22

INSPECTED BY: J. Williams / M. Wyszowski

Subslab Depressurization System

SYSTEM ADDRESS: 127 Harrison Street

Does the Owner or Resident have any questions, concerns, or observations about the system to report? Yes No

If yes, please document concerns and how addressed: General operational questions.
Explained reason and purpose of system, owner satisfied.

Have changes been made to the HVAC/Heating system Yes No

If yes, please describe and document effects in subslab depressurization system: _____

Have any air intakes been located near the exhaust? Yes No

If yes, please describe: _____

Visual Inspection of System

<u>System Component</u>	<u>Condition (circle one)</u>			<u>Comments/Reading</u>
Vent fan	<u>Good</u>	Fair	Needs Repair	
Piping	<u>Good</u>	Fair	Needs Repair	
Manometer (take reading)	<u>Good</u>	Fair	Needs Repair	1.5" w.c.
Labeling	<u>Good</u>	Fair	Needs Repair	
Sump crock cover	Good	<u>Fair</u>	Needs Repair	*
Electrical system	<u>Good</u>	Fair	Needs Repair	

* Audible air rushing observed. Cover missing a plug. Installed plug, issue resolved.

Potential Problems

Concern

Corrective Action

Cracks

- Reduced vacuum under slab
- Repair and seal any cracks in the concrete floor, lexan cover
- Potential for vapor intrusion or piping.
- Safety hazard

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Subslab Depressurization System (cont.)

Air intake near exhaust • Potential for vapor intrusior • Contact owner of air intake
by exhaust entering air • Move or remove intake or exhaust
intakes
• Safety hazard

Obstructions/Debris • Potential for vapor intrusior • Remove obstructions as soon as possible
by exhaust backing up into
residence
• Safety hazard

Fan not operating • Potential for vapor intrusior • Check for power to fan
• Repair or replace fan as necessary

Field Extension Testing

Perform field extension test and document measured vacuum:

Measurement Equipment ID number: Magnehelic

Measured Vacuum: > 1" w.c.

Audible air rush observed upon opening sample access point.