VAPOR INTRUSION MITIGATION
MONITORING AND MAINTENANCE CHECKLIST

Address Inspected: _____ Date of inspection: _____

Inspector(s): _____

As-Built drawings & commissioning values are needed when conducting inspections of vapor intrusion (VI) systems.

1. Mitigation System Operation

1.1 Was the mitigation system operational upon arrival? ..... ☐ Yes ☐ No ☐ NA

If "no", explain why the system was not operational and steps taken to restart the system in Section 4, Observations and Corrective Actions.

If "no" and successful in restarting the mitigation system, complete the remainder of the checklist.

1.2 Was the mitigation system altered from what is shown in the "as-built" drawings? ..... ☐ Yes ☐ No ☐ NA

If yes, discuss changes and possible impacts in Section 4.

2. Building Conditions and Use

2.1 Has the building been modified (building additions, new sumps, French drains, etc.) such that it may impact on the effectiveness of the VI mitigation system? ..... ☐ Yes ☐ No ☐ NA

If yes, list the modifications in Section 4, Observations and Corrective Actions, and determine if changes need to be made to the VI mitigation system.

2.2 If the building has had a change in use, an Indeterminate VI Pathway status or is no longer vacant (when vacancy is part of the receptor control), is the mitigation still protective? ..... ☐ Yes ☐ No ☐ NA

If no, explain in Section 4 the modifications taken to the VI mitigation that make the building still protective for receptors.

3. Diagnostic Measurements

3.1 Is the current mitigation system(s) vacuum at all vapor suction points within a 20% difference of the commissioning values? ..... ☐ Yes ☐ No ☐ NA

If no, vacuum readings from the sub-slab points must be collected and discuss potential reasons for the changes in vacuum readings in Section 4.

3.2 If measured, were all sub-slab probe vacuum readings across the slab equal to or greater than 0.004 in-wc? ..... ☐ Yes ☐ No ☐ NA

If no, system must be modified and re-commissioned (see VIT Guidance, Section 6.4.2). Discuss modification in Section 4, Observations & Corrective Actions.

3.3 Were indoor air samples collected to confirm mitigation system performance? ..... ☐ Yes ☐ No ☐ NA

If yes, summarize the results for COCs and any mitigative actions in Section 4.

3.4 For crawlspace VI ventilation systems, are the system(s) target velocity or static pressure at each measurement point within a 20% difference of the commissioning value? ..... ☐ Yes ☐ No ☐ NA

If no, adjust the target velocity/static pressure to commissioned values or replace/repair fan.

4.1 Observations and Corrective Actions:

5. Overall VI Mitigation System Assessment

Is the mitigation system protective? ..... ☐ Yes ☐ No

LSRP Name: _____ **LSRP License #:** _____

LSRP Signature: _____ **Date:** _____

See Section 6.5 of the NJDEP VIT Guidance for further instructions.