

OFFICE OF THE SUPERINTENDENT OF SCHOOLS
Regional School District No. 17

57 LITTLE CITY ROAD
HIGGANUM, CONNECTICUT 06441-0568
TEL: (860) 345-4534 / FAX: (860) 345-2817

Uniform Indoor Air Quality Inspection and Evaluation Program

Reporting Year: 2024

Report Date: December 30 2024

District: Regional School District 17

School: Killingworth Elementary School
340 Rte. 81, Killingworth, CT 06441

In accordance with section 10-220(d) of the Connecticut General Statutes (“CGS § 10-220(d)” or “IAQ Statute”), Regional School District 17 (RSD 17) completed a uniform Indoor Air Quality (IAQ) inspection and evaluation of Killingworth Elementary School (School) in 2024. This report provides summaries of the School’s inspections and evaluations undertaken pursuant to the 14 IAQ categories set forth in the IAQ Statute. Where applicable, RSD 17 referred to and relied on the U.S. Environmental Protection Agency’s (EPA’s) IAQ Tools for Schools (TFS) guidance and checklists in its inspections and evaluations. The TFS checklists completed for the School in 2024 are included in [Appendix A].

1. Heating, Ventilation and Air Conditioning (HVAC) Systems

RSD 17 completed this assessment requirement using a combination of the TFS general Walkthrough checklist and Ventilation checklist. These checklists provide guidance for evaluating multiple elements of the building’s HVAC systems, including the building’s outdoor intakes and potential pollutant sources, system cleanliness and preventative maintenance programs, control components, distribution systems, and exhaust systems.

In accordance with section 10-231e of the Connecticut General Statutes, RSD 17 also ensures that the School’s HVAC systems are (1) maintained and operated in accordance with the prevailing maintenance standards at the time of installation or renovation of such system, and (2) operated continuously during the hours in which students or School personnel occupy School facilities, except (A) during scheduled maintenance and emergency repairs, and (B) during periods for which School officials can demonstrate that the quantity of outdoor air supplied provides sufficient air changes.

In addition, RSD 17 expects to be in position to undertake a standalone evaluation of the HVAC system at Killingworth Elementary School in compliance with the requirements of the IAQ statute, with said evaluation required to be performed by qualified professionals and occur at least once between July 1, 2026, and June 30, 2031, and every five years thereafter.

This year’s assessment did not identify any issues with the HVAC system that required immediate action in connection with IAQ in the School.]

2. Radon Levels in Air

RSD 17 has a long-established radon testing program for the School in accordance with CGS § 10-220(d) and the State of Connecticut Department of Public Health (CTDPH) guidance. This program requires qualified and trained professionals to periodically evaluate each school building for radon through sampling and laboratory analysis as well as reporting to CTDPH. The most recent radon evaluation was performed for the School during the 2023-2024 school year and

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documented that all radon levels were acceptable during the sampling event. No further action on radon is required. The school is due for the next evaluation during the 2026-2027 school year.

3. *Potential For Exposure to Microbiological Airborne Particles, Including, But Not Limited To, Fungi, Mold and Bacteria*

RSD 17 addressed this assessment requirement using a combination of EPA's TFS general Walkthrough Inspection, Building and Grounds Maintenance, and Food Service checklists. The focus items include evaluation of drainage at the exterior and roof of the building, any evidence of interior moisture intrusion or moisture issues through roof or plumbing leaks or any consistent condensation, evidence of mold/mildew growth, etc.

The School's IAQ conditions were typical of school buildings and no concerns for microbiological airborne particles were noted in the assessment – or address any focus items that may have occurred in the past year.

4. *Chemical Compounds of Concern to Indoor Air Quality Including, But Not Limited To, Volatile Organic Compounds*

RSD 17 addressed this assessment requirement using a combination of EPA's TFS general Walkthrough Inspection and Building and Grounds Maintenance checklists. The focus items include evaluation of building maintenance supplies and grounds maintenance supplies and how they are used, stored, and labeled as well as spill response, engineering and administrative controls used in conjunction with these products.

The assessment did not reveal any issues with chemicals of concern impacting the IAQ. Additionally, RSD 17 continues to operate its green cleaning program utilizing environmentally preferable cleaning and disinfecting products or update to reflect findings]

5. *Degree Of Pest Infestation, Including, But Not Limited To, Insects and Rodents*

RSD 17 addressed this assessment requirement using a combination of EPA's TFS general Walkthrough Inspection, Waste Management, Food Service and Integrated Pest Management checklists. The focus items include evaluation of pest evidence, entry points, food, water, and identification of potential pest habitats as well as establishing a regular monitoring program.

The assessment did not identify any material pest issues at the School.]

6. *Degree Of Pesticide Usage*

RSD 17 operates an Integrated Pest Management (IPM) program in accordance with CGS § 10-231a-231d. The IPM program requires RSD 17 to evaluate alternative pest management methods before using pesticides, utilize the least toxic method to address the pest problem, and ensure all pest control products are used and stored in accordance with regulatory and manufacturer requirements by trained and qualified personnel. The plan further requires notifications to school occupants and parents of pesticide applications through posted notices and/or letters and that records of IPM practices and a pest management log is maintained for the School. The application of pesticides on School grounds is avoided when possible. If required, pesticides are used minimally and only by licensed pesticide applicators.]

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7. *The Presence Of And The Plans For Removal Of Any Hazardous Substances That Are Contained On The List Prepared Pursuant To Section 302 Of The Federal Emergency Planning And Community Right-To-Know Act, 42 USC 9601 Et Seq. (EPCRA)*

RSD 17 has evaluated the School for the potential presence of “extremely hazardous substances” listed in EPCRA Section 302 and determined there are currently none present.]

8. *Ventilation Systems*

The assessment of the School’s ventilation systems is addressed in Section 1 herein.

9. *Plumbing, Including Water Distribution Systems, Drainage Systems and Fixtures*

RSD 17 addressed this assessment requirement using a combination of EPA’s TFS General Walkthrough Inspection, Building and Grounds Maintenance, and Food Service checklists. The focus items include evaluation of drainage and plumbing systems for evidence of leaks, odors, staining, condensation, and evidence of mold/mildew growth.

Based on the walkthrough and checklists, no plumbing issues affecting IAQ were identified]

10. *Moisture Incursion*

RSD 17 addressed this assessment requirement using a combination of EPA’s TFS General Walkthrough Inspection, Building and Grounds Maintenance, and Food Service checklists. The focus items include evaluation of drainage at the exterior and roof of the building, evidence of interior moisture intrusion or moisture issues through roof or plumbing leaks or consistent condensation, and evidence of mold/mildew growth.

No moisture incursion issues were identified during the walkthrough. Should moisture incursion be identified, it is reported via the custodial ticket process and quickly addressed and evaluated.]

11. *Overall Cleanliness of The Facilities*

RSD 17 addressed this assessment requirement using a combination of EPA’s TFS General Walkthrough Inspection, Waste Management, Food Service, and Integrated Pest Management checklists. The focus items include evaluation of sanitary conditions in food handling and storage areas, ensuring waste does not accumulate, verifying walk-off mats are present at each entrance, ensuring proper procedures are in place for dust control during cleaning activities and a schedule is established for vacuuming and mopping floors.

Minor dust collection was noted in limited areas, but overall, the School was acceptably clean.]

12. *Building Structural Elements, Including, But Not Limited To, Roofing, Basements or Slabs*

RSD 17 addressed this assessment requirement using a combination of EPA’s TFS General Walkthrough Inspection and Building and Grounds Maintenance checklists. The focus items include visual evaluation of roofing materials and structural components of the building. *Nothing of note was identified during the assessment.]*

13. Use Of Space, Particularly Areas That Were Designed to Be Unoccupied

RSD 17 continuously evaluates the use of space at the School. RSD 17 staff understand that spaces not designed to be occupied may not have adequate ventilation or meet minimum requirements for heating or cooling. *RSD 17 did not identify the use of any spaces contrary to their intended use (e.g., use of a closet as an office).]*

14. The Provision of Indoor Air Quality Maintenance Training for Building Staff

RSD 17 building staff have been trained, most recently in 2024, in the use of the EPA TFS checklists to gather information related to the overall condition of the school building. Staff understand that findings must be documented and addressed promptly. Additionally, certain staff members have specialized training related to HVAC, plumbing, nursing, groundskeeping, etc. and serve a critical role in addressing identified concerns if/when they arise.