



September 22, 2017
File No. 5171-06-01

Mr. Joshua Watkins, Environmental Coordinator
Worcester Public Schools
20 Irving Street
Worcester, MA 01609, MA 02035

RE: August 2017 PCB BMP Quarterly Examinations
Doherty Memorial High School

Dear Mr. Watkins,

At the request of the Worcester Public Schools, O'Reilly Talbot & Okun Associates, Inc. (OTO) has prepared this letter report to summarize our observations of materials in the subject school suspected of containing PCBs (polychlorinated biphenyls). This work is one part of the School Department's ongoing self-assessment of its best management practices (BMPs). The assessment was conducted in accordance with our June 30, 2017 proposal, and the Worcester Public Schools' BMP program.

The assessment consisted of: 1) the visual evaluations of the condition of caulk; 2) the condition of uninvent units; and 3) the degree of dust present on windowsills and window frames at the school. OTO conducted these observations on Monday, August 21, 2017, in the presence of yourself and facility staff.

Doherty Memorial High School

OTO observed 47 rooms in the school, including the cafeteria, kitchen, library, faculty break rooms and offices, and classrooms, with general observations of hallway areas. General observations are summarized in the enclosed Table 1, and selected representative photographs are attached.

The overall quality of BMPs at Doherty was very good. The interior over-caulking was intact and in good condition in each of the spaces observed, and the uninvents were free of significant dust or visible oil leakage. Several rooms, mostly in the wood shop area, exhibited accumulated dust, but this appeared to consist mostly of recently generated sawdust. School maintenance staff indicated that windowsills and adjacent surfaces would be wet-wiped prior to the start of classes in accordance with School Committee policy.

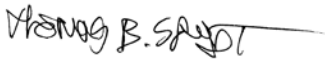
OTO observed that exterior windows along the courtyard face of rooms 316-328 in the southern wing of the building exhibited damaged or missing over-caulking. This area was brought to the attention of WPS staff. WPS staff told us on September 8, 2017 that the caulking had been repaired. Photographs of the repaired caulk are attached.

Conclusions and Recommendations

In conclusion, our observations indicated that BMPs are being maintained to a high standard. OTO understands that WPS has requested these observations be conducted on a quarterly basis. We therefore suggest the next site visit be conducted in November 2017.

Should you have questions or require additional information, please contact the undersigned.

Very truly yours,
O'Reilly, Talbot & Okun Associates, Inc.



Thomas B. Speight, CHMM
Project Manager



James D. Okun, LSP
Principal

Attachments

Table 1 – Summary of Observations for Doherty Memorial High School
Selected photographs from Doherty High School

Table 1 - Summary of BMP Observations
Doherty Memorial High School
299 Highland Street
Worcester, MA 01602
August 21, 2017

Room	Condition of Caulk	Condition of Univents	Dust Accumulation
101	VG	VG	Trace
103	VG	VG	Some
104	VG	VG	Trace
106	VG	VG	VG
Cafeteria	VG	N/A	VG
Cafeteria Kitchen	VG	N/A	VG
203A	VG	Not accessible	Trace
204	VG	Not accessible	VG
208	VG	VG	VG
210	VG	VG	VG
211	VG	VG	VG
212	VG	VG	Trace
214	VG	VG	VG
Library	VG	VG	Trace
301	VG	Not accessible	VG
302B	VG	VG	Some
303A	VG	Not accessible	Some
303B	VG	VG	Some
304	VG	VG	Significant but mostly sawdust
304B	VG	VG	Moderate
306	VG	VG	VG
310	VG	VG	VG
316	VG	VG	VG
318	VG	VG	VG
320	VG	VG	VG
	VG	VG	VG
321	VG	N/A	VG
321A	VG	N/A	VG
322	VG	VG	VG
324	VG	VG	VG
326	VG	VG	VG
328	VG	VG	VG
330	VG	VG	VG
332	VG	VG	VG
334	VG	VG	VG
336	VG	VG	VG
Faculty Room, 300s Wing	VG	VG	VG
402	VG	VG	VG
403	VG	VG	VG
404	VG	VG	VG
406	VG	VG	VG
408	VG	VG	VG
412	VG	VG	VG
414	VG	VG	VG
416	VG	VG	VG
418	VG	VG	VG
419	VG	VG	VG
420	VG	VG	VG
Ground floor exterior in courtyard, at rooms 400-422	Needs Repair	N/A	N/A

CATEGORIZATION

Dust

Very good = minimal dust or debris

Some = enough dust to leave a residue on a gloved finger

Moderate = visible accumulations of dust

Significant = thick layer of dust

Univents

Very good = minimal dust or debris, no oil leakage

Some = enough dust to leave a residue on a gloved finger

Moderate = visible accumulations of dust, trace oil leakage

Significant = thick layer of dust, distinct oil leakage

Caulk

Very Good = Overcaulking is intact, with no visible debris

Good = Overcaulking is generally intact but for minor patching

Needs repair = Overcaulking missing or damaged

Site Photographs



Photograph 1: Interior of Univent, Doherty Room 104



Photograph 2: Typical window caulk, Doherty Room 104

Site Photographs



Photograph 3: Typical window caulk, Doherty Room 202

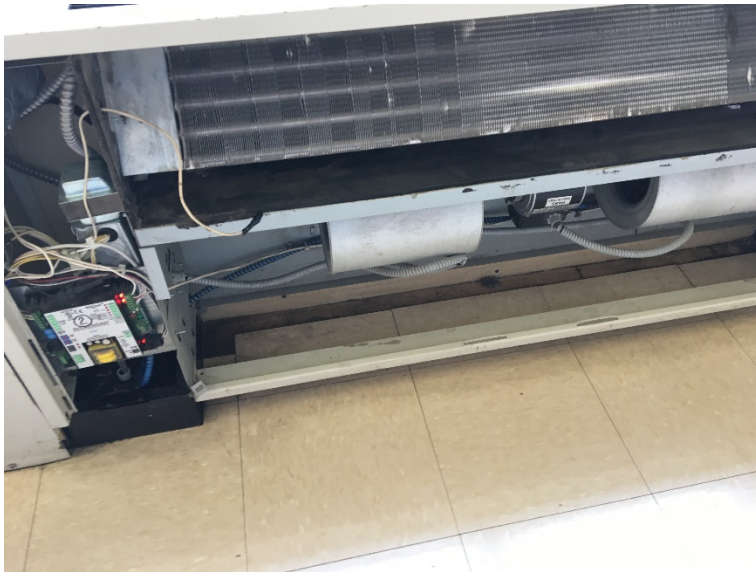


Photograph 4: Interior of Univent, Doherty Room 202

Site Photographs



Photograph 5: Typical window caulk, Doherty Room 402



Photograph 6: Interior of Univent, Doherty Room 402

Site Photographs



Photograph 7: Accumulated sawdust in Doherty woodworking classroom



Photograph 8: Accumulated dust, Doherty room 301

Site Photographs



Photograph 9: Damaged exterior caulking, vicinity of Doherty rooms 316-328



Photograph 10: Typical repaired caulking, vicinity of Doherty rooms 316-328
(photograph provided by WPS staff 9/8/2017)