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GLENELG HIGH SCHOOL MOLD ASSESSMENT

December 1, 2015

Prepared by: Ed Light, CIH

Prepared for: Howard County Public School System

Building Dynamics, LLC (BDL) was requested by HCPSS to inspect Glenelg High School (GHS) to evaluate the effectiveness of recent repairs associated with ceiling water damage, determine if mold growth was present and to make recommendations for resolution of any ongoing moisture/mold issues. Most schools have occasional incidents involving minor mold growth. GHS has had a typical history for school buildings in general with respect to mold, with ceiling tiles occasionally affected by roof leaks, pipe leaks and insulation sweating. In most cases, these were water stained only. A few may have had minor, suspect growth, however, this would not be expected to affect air quality. This fall, HCPSS completed a project to eliminate leaks and pipe sweating and replace stained tiles.

On November 25, 2015, BDL's Ed Light, CIH, accompanied by GHS staff and the PTA President, inspected GHS for indicators of excess moisture and suspect growth following procedures consistent with ASTM D7338-10, Standard Guide for Assessment of Fungal Growth in Buildings. Ceilings, walls, floors, furniture and contents throughout the building were evaluated, in addition to occupied space, BDL also inspected above ceilings, in maintenance areas and inside HVAC equipment.

Detailed evaluation found all surfaces in occupied space free of mold growth. Several small water stains were observed. Each of these were dry (leaks appeared to be resolved), with no suspect growth. HCPSS should re-check these sites to confirm that leaks have been resolved and replace the stained tiles. Rooms with minor water stains were:

- 203 (ceiling tile)
- 220 (behind appliances)
- 222 (under sink)
- 236 (under sink)
- Back Stage (wall)
- 143 (closet wall)
- Laundry Room (ceiling tiles)
- Staff restrooms across from 301 (ceiling)
- 223 (ceiling tiles)

In addition, small spots of suspect growth were observed in the mechanical room by 201 and penthouse storage. Occupants are not exposed to these. HCPSS should remediate these.

In summary, water-damaged ceilings were effectively remediated by HCPSS. GHS is in good condition and safe to occupy.

BDL President, Ed Light, CIH, holds degrees in Environmental Science from the University of Massachusetts (B.S.) and Marshall University (M.S.), is a Senior Fellow of the American Industrial Hygiene Association, has authored over 40 scientific publications on assessment and control of the indoor environment, chaired several national scientific committees and directed more than 1000 multi-disciplinary IEQ investigations, ranging from the White House to the South Pole Station.