

April 7, 2023

Ms. Nicole Briand  
Town Manager  
Town of Bowdoinham  
13 School Street  
Bowdoinham, ME 04008

Re: Summary of Environmental Results  
Bowdoinham Recycling Barn  
243 Post Road, Bowdoinham, ME

Dear Ms. Briand:

This letter provides a summary of the key findings and recommendations in our attached letter report entitled "Limited Phase II Environmental Site Assessment, Bowdoinham Recycling Barn, 243 Post Road, Bowdoinham, ME";

- Four Areas of Concern (AOCs) were initially identified by the Town for investigation and an additional four AOCs were identified by Public Works staff in the field that were also investigated. The approximate location of these AOCs are presented on Figure 2.
  - AOC-1: Areas of the site where fill material was brought in (natural and / or debris) and includes the driveway area on the northern side of the Recycling Barn. Two out-of-use metal aboveground storage tanks (ASTs) were also observed in this area.
  - AOC-2: The tank grave area of the former underground storage tank (UST) located on the southern side of the recycling barn near the cinder block room containing the boiler.
  - AOC-3: The former septic system located on the southern side of the building to the west of the loading dock.
  - AOC-4: The edge of what appears to be the fill area of the site on the eastern side of the site to the south of the Recycling Barn.
  - AOC-5: The "Paint Dump" area as described by the Town's Public Works staff as an area where the property owner supposedly disposed of multiple containers of paint near a former building on the northern side of the existing Recycling Barn.
  - AOC-6: The "Antifreeze Pit" area as described by the Town's Public Works staff as an area where the property owner supposedly disposed of multiple containers of waste antifreeze in the driveway area on the northern side of the existing Recycling Barn.





- AOC-7: The “Burn Pit” area as described by the Town’s Public Works staff as an area where the property owner supposedly disposed of various materials by burning and burying various materials to the south of the loading dock on the southern side of the Recycling Barn.
- AOC-8: The “Waste Glass Dumping Area” as identified in the field by B & L staff (a pile of broken glass, paper labels, metal caps, etc. was observed dumped on site while B & L staff were working on site). Town of Bowdoinham Public Works staff indicated that the property owner had previously disposed of material in this area and treated the material as “clean fill”.
- Contaminants of Potential Concern (COPCs) were identified as total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), gasoline range organics (GROs), pesticides, herbicides, and metals.
- Three areas of the site were observed to contain buried solid waste materials. These areas are: the driveway area at the eastern end of the Recycling Barn (AOC-1), the “Paint Dump” area as identified by the Town’s DPW staff (AOC-5), and the “Burn Pit” area as identified by the Town’s DPW staff (AOC-7).
- One area of the site was observed to contain waste materials (broken glass, bottle caps, and labels) dumped above grade (AOC-8). This area is located on the southern side of the building approximately thirty feet south of the UST grave.
- No VOCs, GRO, or herbicides were identified above MDLs in any of the soil samples.
- All five soil samples (AOC-1, AOC-2, AOC-4, AOC-5, and AOC-7) were reported with arsenic results that exceed select Maine Remedial Action Guidelines (RAGs).
- The “Burn Pit” soil sample (AOC-7) was reported with a lead result that exceeds select Maine RAGs.
- The UST grave soil sample (AOC-2) had TPH detected at 200 mg/Kg. While specific criteria for this parameter was not identified in Maine RAGs, it is noted that this result is indicative of a petroleum release. It was also noted that a visible sheen was observed on the water table in the test pit, a PID reading of 55.3 ppm was noted at this location, and a petroleum odor was noted. The field observations (sheen, odor, PID reading) are considered alternative lines of evidence regarding a petroleum release.
- The “Paint Dump” soil sample (AOC-5) was reported with a pesticide detection (4,4’-DDT) above background, but below applicable criteria.
- One well, MW-103, had metal results above Residential RAG criteria and TPH detected above background.
- Additional soil and ground water investigations would be needed to determine the degree and extent of site impacts and buried wastes.
- The interior of the building was inspected, but no suspected asbestos containing materials were identified on site. As such, no samples were collected for asbestos analysis.



- Two paint chip samples (one indoor and one outdoors) were collected and submitted for laboratory analysis. One of the two samples (the interior office door near the boiler room) was determined to contain lead based paint.
- Moisture sources (i.e., leaks) in the building are creating conditions that promote mold growth. Mold was detected on several surfaces and elevated mold levels were measured in the indoor air throughout the building. Moisture and humidity issues should be resolved prior to mold abatement to prevent recurrence.

Thank you for this opportunity to provide these services to the Town of Bowdoinham. Feel free to call me at (860) 633-8770 if you have any questions regarding our report.

Sincerely,

A handwritten signature in blue ink that reads "D. Scott Atkin".

D. Scott Atkin, LEP  
Senior Associate  
BARTON & LOGUIDICE, LLC