

Discussion Draft - Basic Comparison of PFAS Testing on Nantucket (v1.4) 7-6-21

|                             | <b>MCP<br/>(Airport PFAS)</b>               | <b>Municipal Water<br/>Testing for PFAS<br/>(Wannacomet)</b>              | <b>Co-compost<br/>Testing for PFAS<br/>(Town)</b>                          | <b><i>Elective</i> Testing for PFAS<br/>(Town)</b>                                                                                  | <b>UMass PFAS Testing</b>                                                                               |
|-----------------------------|---------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Why</b>                  | Groundwater contamination, AFFF cleanup     | Safe drinking water                                                       | Suitability for land application, Future source ident. & control/reduction | Characterize occurrence & presence, with goal of source ident. & control/reduction                                                  | Safe drinking water; Source ident. & control/reduction                                                  |
| <b>Town Dept</b>            | Airport & LSP (Weston Solutions)            | Wannacomet Water Co. (WWC)                                                | Waste Options (WON) & DPW                                                  | Town Admin., DPW, Wastewater, WO, Health, Nat. Res., WWC, Fin., etc. (with CDM Smith)                                               | Health & other depts., BOH                                                                              |
| <b>MassDEP Oversight</b>    | Bureau of Waste Site Cleanup (BWSC)         | Drinking Water Section                                                    | Solid Waste Section                                                        | Solid Waste, Drinking Water, Wastewater Mgt. Sections, BWSC, etc. <i>Requires prior approval of appropriate MassDEP division(s)</i> | Drinking Water Section? and/or BWSC?                                                                    |
| <b>Media</b>                | Groundwater, Domestic wells & Soils         | Municipal Wells                                                           | Final Co-compost Material                                                  | TBD; Groundwater, surface water at landfill, Wastewater                                                                             | Domestic Wells                                                                                          |
| <b>Governing Regulation</b> | Mass. Contingency Plan (MCP) 310 CMR 40.000 | Mass. Drinking Water Regulations 310 CMR 22.00, MCL Public Drinking Water | Per AOS Permit, No standards exist for Co-compost (poss. future?)          | Dependent on media & purpose                                                                                                        | Sampling, reportable cond. if PFAS6 at or exceeding 20 ppt, owner may have add'l responsibilities (MCP) |
| <b>Where</b>                | Area identified by step-out testing, MCP    | At Town facility                                                          | At Town facility                                                           | TBD in consultation with MassDEP                                                                                                    | 20-40 homes island-wide                                                                                 |
| <b>When</b>                 | 5 Phases in MCP process, (Phase I complete) | Quarterly (4/21) for WWC, Quarterly (10/21) for Sconset                   | Quarterly (10/20)                                                          | Plans/approach developed in Phase 2A, Testing follows in Phase 2B                                                                   | Samples in 2021, results soon thereafter                                                                |