

Town and County of Nantucket Select Board • County Commissioners

Jason Bridges, Chair
Matt Fee
Kristie L. Ferrantella
Dawn E. Hill Holdgate
Melissa Murphy



16 Broad Street
Nantucket, Massachusetts 02554

Telephone (508) 228-7255
Facsimile (508) 228-7272
www.nantucket-ma.gov

C. Elizabeth Gibson
Town & County Manager

AGENDA FOR THE MEETING OF THE SELECT BOARD NOVEMBER 15, 2021 - 4:00 PM REMOTE PARTICIPATION VIA ZOOM NANTUCKET, MASSACHUSETTS

Join Zoom Meeting

<https://us06web.zoom.us/j/81996923063?pwd=KytES29tZHBGUlRMEVycGxEMXJ3Zz09>

Meeting ID: 819 9692 3063

Passcode: 421629

- I. LONG-TERM SOLID WASTE PLANNING WORKSHOP***
- II. ADJOURNMENT***



Town & County of NANTUCKET, MA

Workshop on Solid Waste Management for Nantucket Island Presented to the Nantucket Select Board on Zoom and Open to the Public

15 November 2021



Workshop agenda and key questions

1. Waste reduction: should there be a goal? New programs/incentives?
2. Composter operations after 2025: continue? Alternatives?
3. Collection and recycling: recycle paper? Colored bag program?
4. Managing other MSW (NRNCs): off-island testing? Host a pilot?
5. The Madaket Road site: landfill closure, stormwater, other projects?
6. Should the Town buy/own the Composter? the Transfer Station?



Madaket Road Site Facilities operated by Waste Options Nantucket(WON)

- Composter
- MRF/drop-off area
- Transfer Station (12)
- Landfill (not shown)

Town agreement with WON
(Waste Services Agreement
or WSA) schedule to end
November 30, 2025

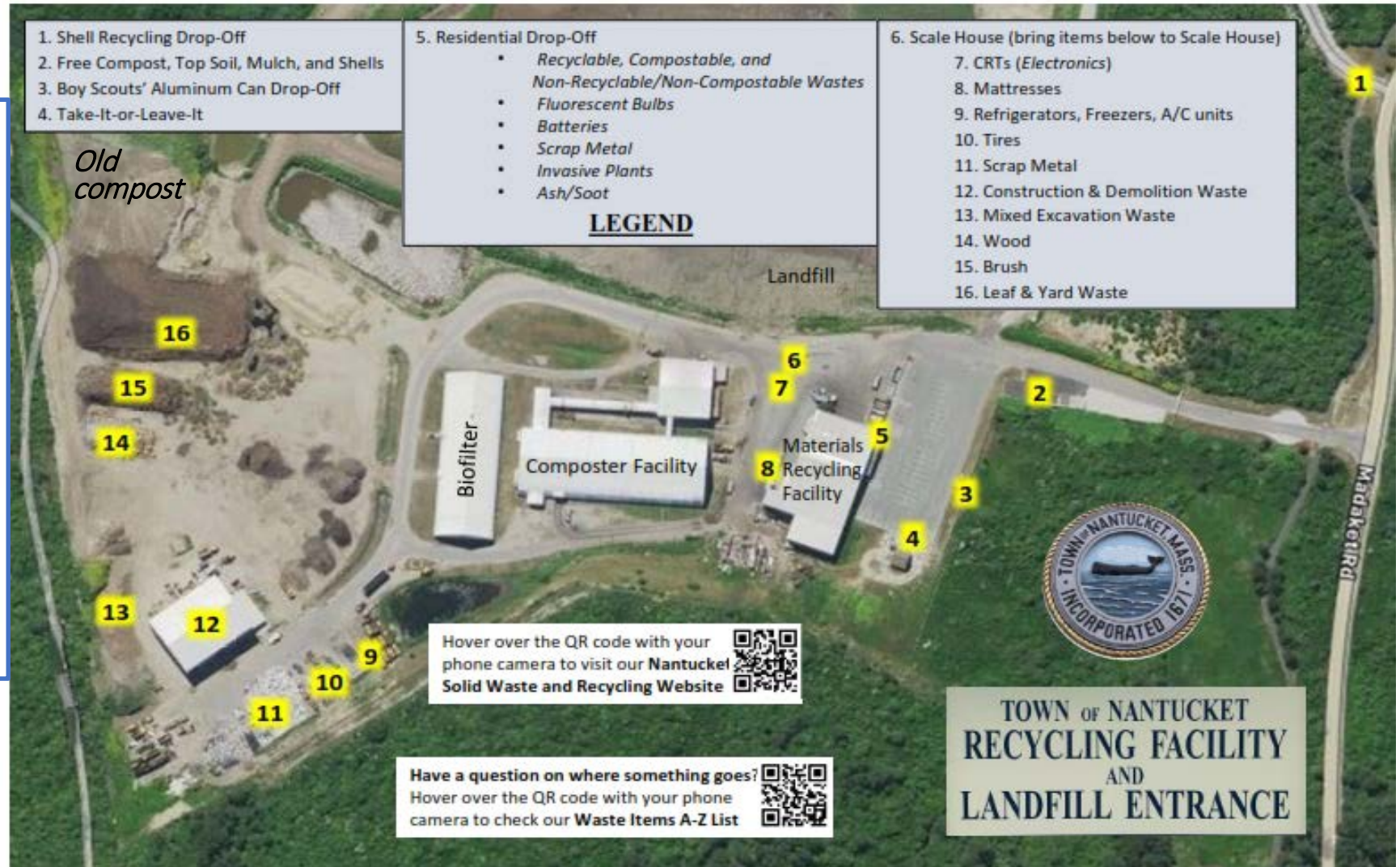




Figure 1. Area of focus (in yellow) at the landfill (Google Maps)

Madaket Road Site Facilities.
Photo from Nantucket Landfill
Stormwater improvements Plan,
Prepared for Nantucket Land
Council, Nantucket DPW and
WON, September 2019.





Strategic Plan 2020

2021 Implementation Updates Environmental Leadership

Provide data-driven recommendations on island-wide solid waste management guided by principles of sustainability.

Completed Activities

- Reduce waste amounts and toxicity: NRNCs, textile collection, hazardous waste
- Education and outreach
- Nantucket data platform
- RFEI for future solid waste management
- MRF condition and project assessment

On-Going Activities

- **Decision matrix for 2025: (requesting a special workshop for guidance)** 
- Coastal plastics research
- Plastics ban and bylaws
- Illegal dumping
- Education and outreach



What should the Town decide regarding:

1. Waste reduction goals, programs and incentives?
2. Composter operations after 2025?
3. Collection and recycling at the MRF after 2025?
4. Managing other MSW (NRNCs)?
5. The Madaket Road site?
6. Buy/own the Composter? The Transfer Station?



Waste reduction goals, programs and incentives

- MassDEP 2030 Master Plan: facility closures without replacements, increased exports to Ohio/Alabama, 90% waste reduction target
- Programs: public outreach, goal, further regulation, encourage re-use (building materials, furniture, etc.)
- Incentives: Pay-as-you-throw (bags), tip fees for disposal
- Toxicity: remove items from the waste stream

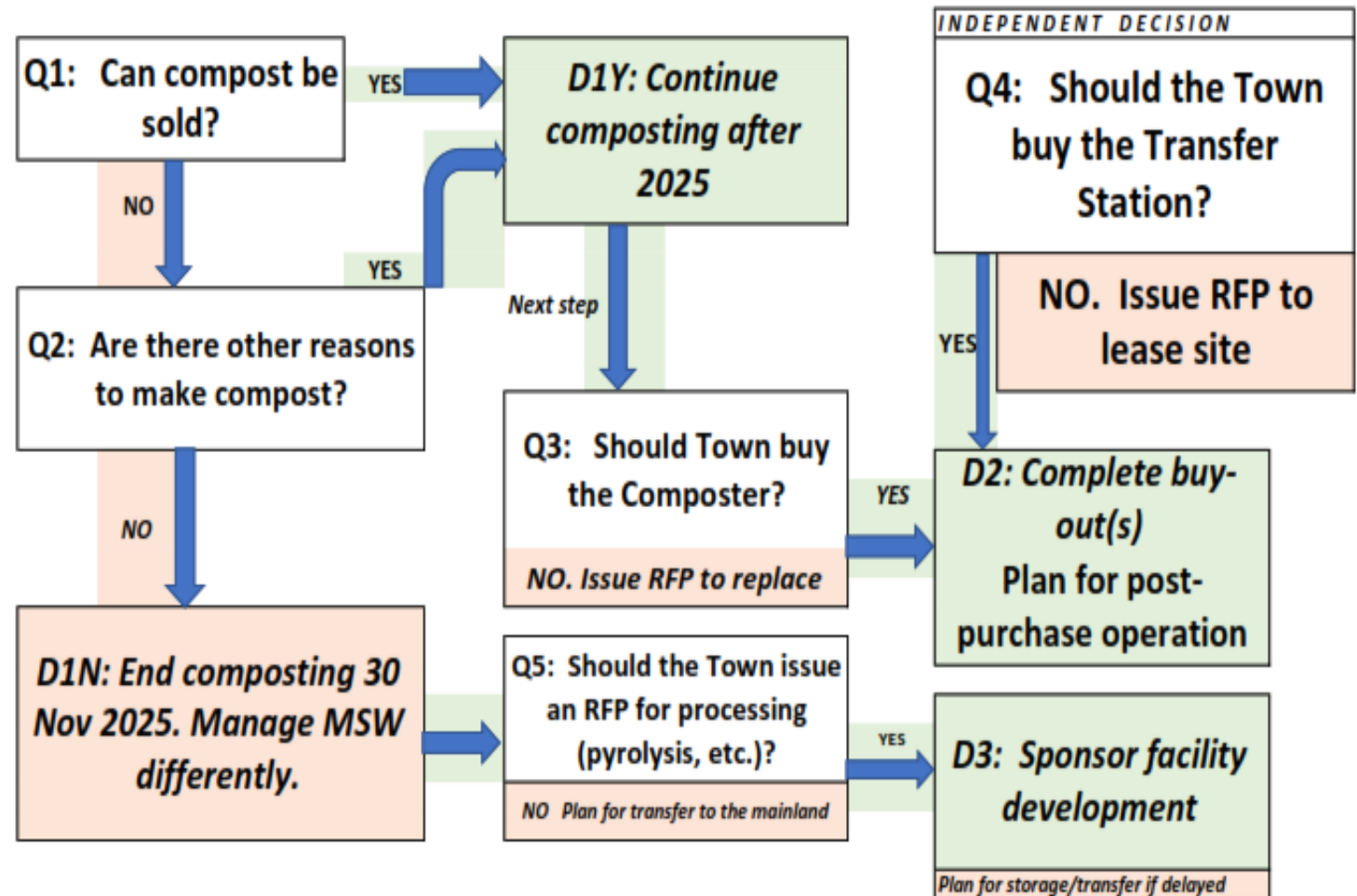


Composter operations after 2025

- PFAS
- Product quality
- Marketing
- TIOLI garden
- New contract

Other options

- Address organics another way
- Different technology
- Transfer to mainland





Collection and recycling at the MRF

- Divert paper?
- Invest in MRF upgrades
 - Drop-off area
 - Bag-opener
 - Sorting station
 - equipment
- Reconsider collection:
colored bag program?





Managing other MSW

- Waste re-use --- take-it-or-leave-it, and more
- Salvage/deconstruction
- Host a pilot pyrolysis or other processing facility on Nantucket?
- Transfer to the mainland?



Take-it-or-leave-it area



Containerized pyrolysis unit for plastics processing, Concord, Mass.



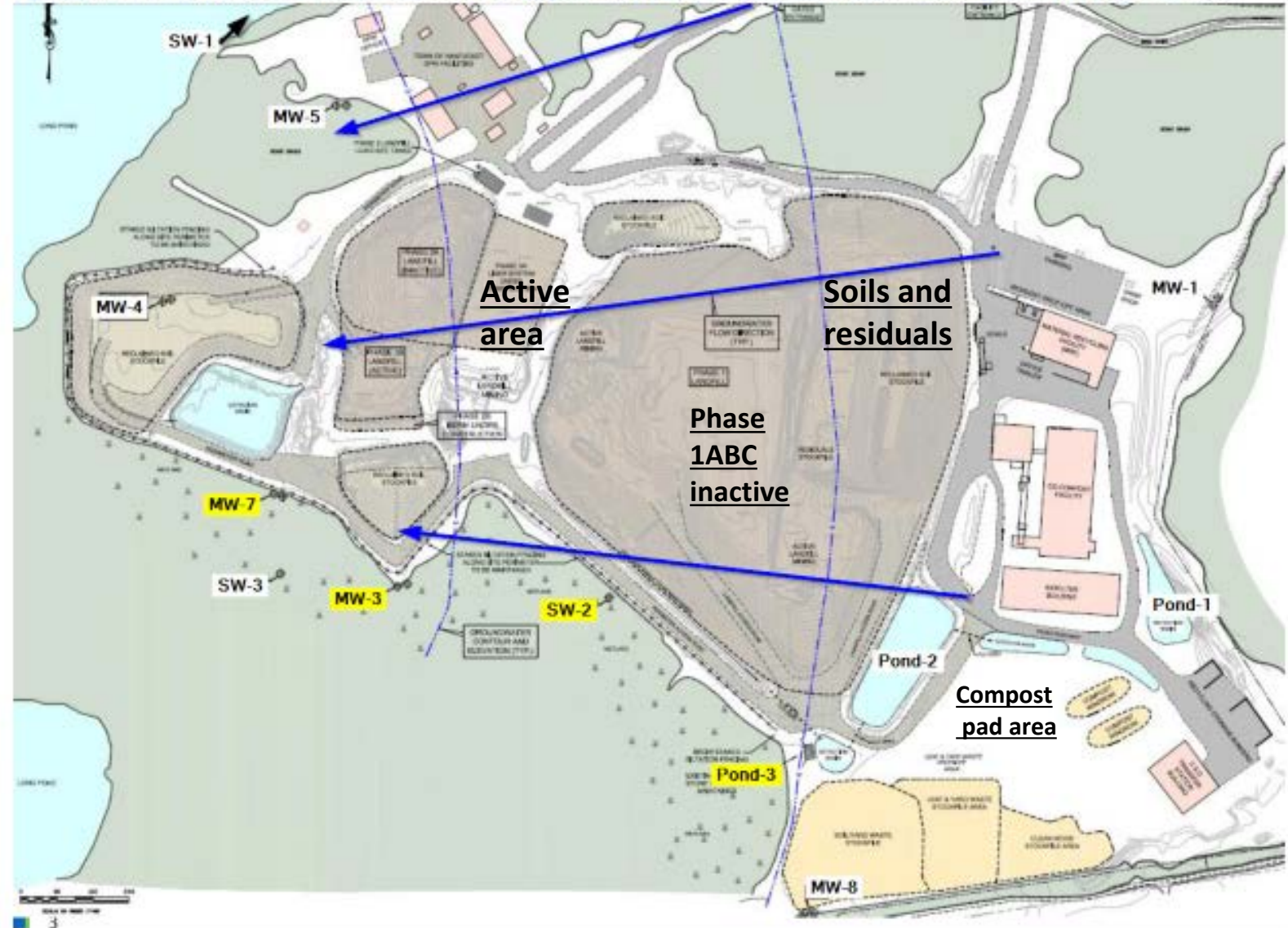
Used clothing in the take-it-or-leave-it shed



The Madaket Road site – pending issues

- Closure of Landfill Phases 1ABC
- Soils and residuals
- Outdoor composting – pave the pad?
- Stormwater management
- PFAS management: closure area, soils, compost stockpiles

Figure 2. Monitoring stations at the landfill. Blue lines indicate groundwater flow direction. Yellow stations have highest total nitrogen readings.





Guidance on key questions for the workshop

1. Waste reduction: should there be a goal? New programs/incentives?
2. Composter operations after 2025: continue? Alternatives?
3. Collection and recycling: recycle paper? Colored bag program?
4. Managing other MSW (NRNCs): off-island testing? Host a pilot?
5. The Madaket Road site: landfill closure, stormwater, other projects?
6. Should the Town buy/own the Composter? the Transfer Station?