Regional Solid Waste Management Forum

November 17, 2010

Town of Bourne

Board of Selectmen

Agenda

- Opening remarks and introductions – Chairman John Ford
- Department of Integrated Solid Waste Management (ISWM) presentation
- Update on the RFP planning process – Patty Daley, Cape Cod Commission
- Q&A – Selectman Don Pickard
- Closing remarks and next steps – Selectman Don Pickard

Overview

- ISWM background
- Site Infrastructure
- ISWM Facility Current Status
- Odor Management
- Regional Cooperation
- Regional Assets
- Next Steps

ISWM Background

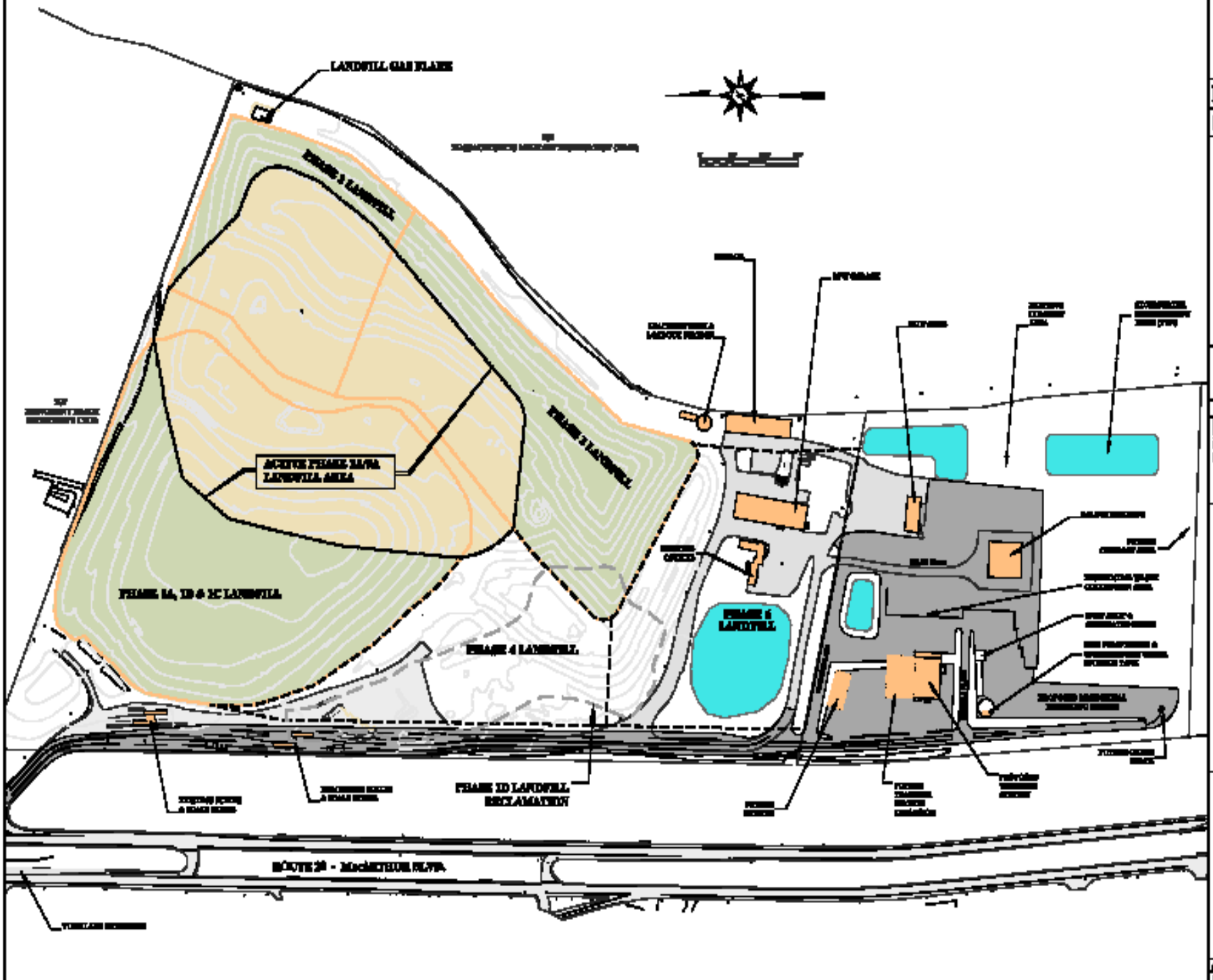
- ISWM was created by Chapter 49 of the Acts of 1999 and approved on August12, 1999
- Goal was to create a regional integrated solid waste management facility.
- Site is 99 acres in total. 74 acres site assigned as a landfill, 25 acres site assigned for solid waste handling and processing.
- Permitted to manage 825 tons per day.

ISWM Background

- ISWM does not rely on taxes. Full Enterprise Fund accounting.
- Administration Fee (indirect expenses).
- Host Community fee paid to the General Fund at Bourne's request.
- Current fee is $3.15 per ton.

Site Infrastructure

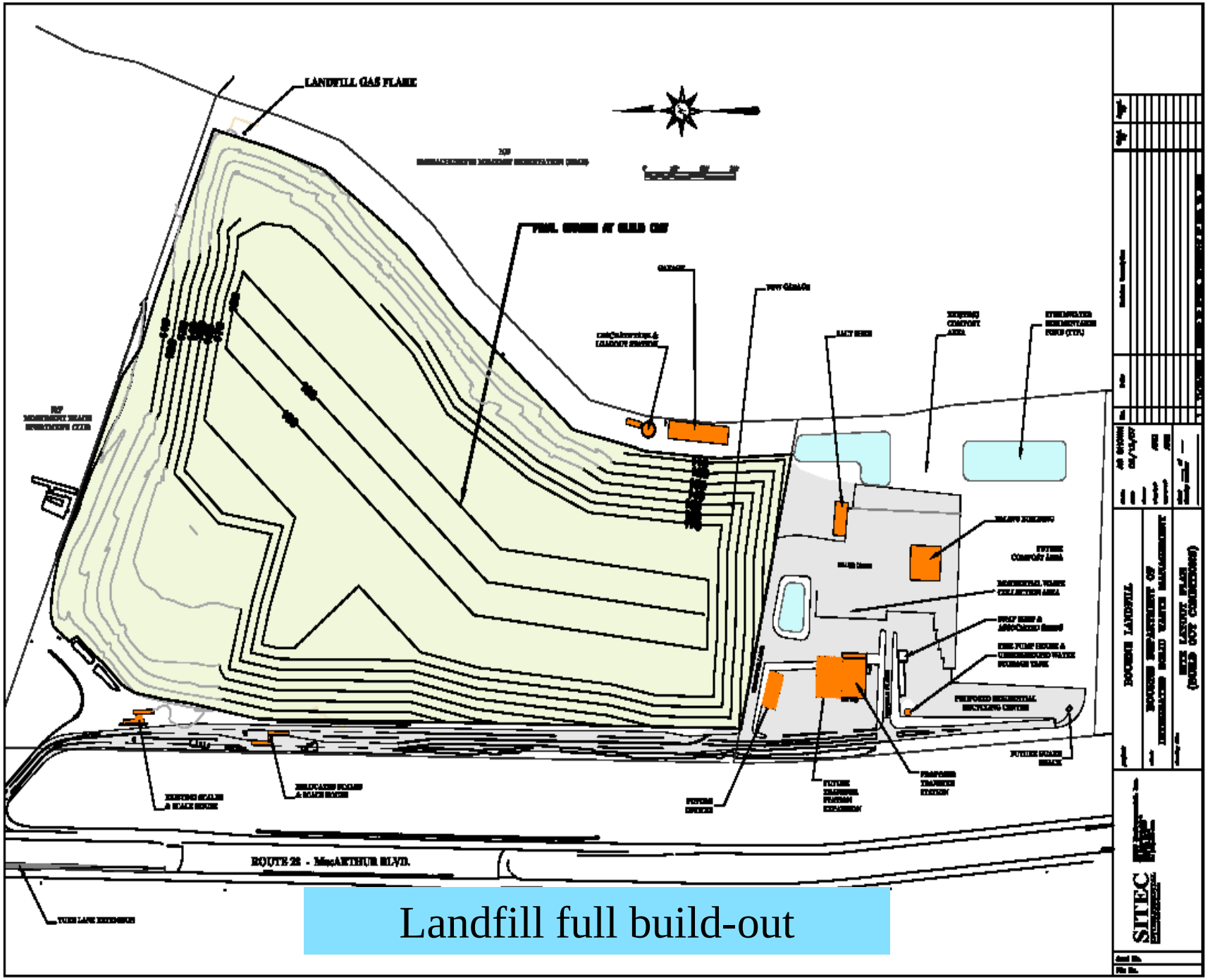
- Power on site
- New water main on site
- New residential recycling center
- New C&D transfer station
- New leachate storage tank
- New baling facility
- Landfill flare (soon to be replaced with a new one)
- Scales (to be updated along with entrance)
- Fire suppression system (250k gallon tank)


LANDFILL GAS FLARE
PHASE 3 LANDFILL
PHASE 2 LANDFILL
ACTIVE PHASE 2A/2B LANDFILL AREA
PHASE 1A, 1B & 1C LANDFILL
PHASE 4 LANDFILL
PHASE 5 LANDFILL
PHASE 1D LANDFILL RECLAMATION
ROUTE 20 - MacARTHUR BLVD.

Winter 2009

Winter 2009

	LANDFILL VOLUME			
TOTAL COMBINED VOLUME		7,569,000	cubic yards	100.00%
LESS UTILIZED VOLUME		3,956,000	cubic yards	52.27%
NET REMAINING VOLUME		**3,613,000**	cubic yards	47.73%
BASED ON SURVEY OF	9/30/2010			



Landfill full build-out

ISWM Facility Current Status

- Finishing major infrastructure improvements.
- Formed a Working Group to evaluate options for an updated business plan.
- Considering site leases for alternative technologies such as anaerobic digestion and gasification of source separate materials.
- Evaluating whether to make electricity with landfill gas or inject it into a gas pipeline.

Odor Management

- Evaluated wastestreams and eliminated potential odor causing components.
- Temporary cap in P2A/3A, Stage 1 (30 mil black plastic) and with Posi Shell.
- Increased well placement – 8 new wells 2009; 9 more to be installed this winter.
- Installation of horizontal collection piping. New system this winter.

Regional Cooperation Option 1

- Bourne responds to an RFP, if the capacity is available when it is issued.
- Adjustments to current fill rates may be needed to ensure capacity to meet a contract.

Regional Cooperation Option 2 (Preferred)

- Bourne works with the CCC SWAC and Mr. Giorgio of Kopelman and Paige (legal counsel hired by CCC).
- Evaluate the best options for leveraging our collective regional assets.
- Towns must commit to this process in some formal agreement for the best results.
- Continue to develop a possible RFP.

Regional Assets

- Approximately 200,000 tons per year of MSW (potentially about 20 towns).
- 10 years or more landfill capacity in 2015.
- Two rail transfer stations for commercial waste.
- ISWM facility available for other management options (eg. single stream recycling transfer, biosolids management).
- Possible power purchase agreement with CVEC.

Next Steps

- Boards of Selectmen discuss and endorse option 2. Convey strategies to a SWAC representative.
- If option 2 is approved, convene a meeting of the CCC SWAC contract negotiation subcommittee.
- Work on a draft master agreement based on the strengths of the group and desired contract terms.
- Present the draft to town leaders in the spring.

QUESTIONS