



## CITIZENS ADVISORY COMMITTEE MEETING

**October 29, 2019  
6:30 P.M.**

**Regional Board Room  
723 Woodlake Drive  
Chesapeake, VA**

### **AGENDA**

1. Welcome and Introductions.....John Keifer, SPSA Board Chairman
2. CAC Roles and Responsibilities.....Liesl DeVary, SPSA Executive Director
3. Overview of SPSA Operations.....Liesl DeVary, SPSA Executive Director
4. Landfill Regulatory Siting Requirements Presentation .....Jeffrey Murray, HDR
5. Planning Future Meetings and Site Visits.....the Committee and SPSA Staff
6. Election of Chairperson.....the Committee

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# SOUTHEASTERN PUBLIC SERVICE AUTHORITY (SPSA)

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## Citizen Advisory Committee (CAC)

### Role and Responsibilities

The SPSA Board of Directors has authorized the creation of a citizen advisory committee to make recommendations regarding SPSA's request for landfill expansion. Additional disposal capacity for the region will be needed after capacity in the existing permitted SPSA Regional Landfill is depleted. In accordance with Virginia Solid Waste Regulations 9VAC20-81-450 and Virginia Code 10.1-1408.1.B.5 the role of the advisory committee is to assist with the selection of a proposed site for the future landfill. Alternatives to be considered will include the expansion of the existing SPSA landfill, a new landfill site within the member jurisdictions and the use of existing private landfills. The committee is not a decision-making body, but rather serves as an advisory group providing input to the SPSA Board of Directors.

1. Task of CAC: Evaluate and review SPSA landfill options to provide disposal capacity beyond the current permitted life of the SPSA Regional Landfill in Suffolk.
2. Mission: The CAC will serve in an advisory capacity only, and will make recommendations regarding preferred landfill options, including the possible siting of a new landfill, in order to meet SPSA's disposal needs for the next 20 to 40 years, and make its recommendations to the Board in the form of a letter or oral presentation to the SPSA Board.
3. Term of CAC: Each committee member will serve no longer than 6 months following the first committee meeting anticipated in October 2019. The term may be extended only with the consent of the SPSA Board of Directors.
4. Membership: Each member community will appoint two (2) committee members from their locality that meet the following criteria:
  - a. Be a minimum of 18 years of age
  - b. Be a registered voter in the member locality to be represented
  - c. Have relevant knowledge or background in areas of business and/or engineering and awareness of environmental issues
  - d. Be willing and able to attend and actively participate in scheduled meetings
  - e. Be willing to commit to serve on the committee for approximately six months
  - f. Be voluntary and independent (not representative of any group or organization)
  - g. Not be an elected official or employee of the government of the member locality represented
  - h. Have no conflict of interest or vested interest with regard to the scope of the committee's expected work
  - i. Be willing to restrict any public comments on the committee's work (other than at committee meetings) until such time that the recommendations have been presented to the SPSA Board of Directors
5. Meetings: Meetings will be facilitated by a consultant to help organize the agenda and facilitate discussion and feedback and to ensure the meetings are effective. The CAC will appoint a committee chair person at its first meeting. SPSA staff will provide support to the CAC in the form of administrative assistance, information gathering, technical expertise and

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## SOUTHEASTERN PUBLIC SERVICE AUTHORITY (SPSA)

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other support requested by the CAC. Meetings shall be open to the public, and shall be held at a public place at a regularly scheduled time, or at a special meeting time following notice as set by the Executive Director. A preliminary schedule of meetings is provided below.

### Preliminary Meeting Schedule

<u>Date</u>	<u>Location</u>	<u>Agenda</u>
<u>October 29, 2019, 6:30 pm</u>	<u>Regional Office Building</u>	<u>Regulatory Siting Criteria and Previous Siting Analyses</u>
<u>Various Times</u>	<u>Regional Landfill – Suffolk</u>	<u>Tour the Regional Landfill</u>
<u>November 19, 2019, 6:30 pm</u>	<u>Regional Office Building</u>	<u>Review of Available Private Disposal Facilities and Alternative Sites</u>
<u>January 14, 2020, 6:30 pm</u>	<u>Regional Office Building</u>	<u>Formulation and Finalization of Recommendations to SPSA Board of Directors</u>
<u>February 11, 2020, 6:30 pm</u>	<u>Regional Office Building</u>	<u>Additional time if needed</u>

6. Conflicts of Interest: If any members of the CAC conclude that they have a conflict of interest or an appearance of fairness problem with respect to a matter pending before the CAC so that they cannot discharge their duties, they shall disqualify themselves from participating in the deliberations and the recommendation process with respect to the matter.



Citizen Advisory Committee  
October 29, 2019

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## Agenda

1. Welcome and Introductions
2. CAC Roles and Responsibilities
3. Overview of SPSA Operations
4. Landfill Regulatory Siting Requirements
5. Planning Future Meetings and Site Visits
6. Election of Chairperson

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## CAC Role & Responsibilities

- The task of the CAC is to evaluate and review landfill options for SPSA.
- The CAC will serve in an advisory capacity only, and will make a recommendation to the SPSA Board regarding preferred landfill options.
- The CAC needs to appoint a committee chair person.
- Meetings shall be open to the public.

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## FOIA

- SPSA is a public body subject to the Virginia Freedom of Information Act (FOIA).
- FOIA imposes restrictions and procedures to ensure that, except in limited circumstances, the transaction of public business only occurs in open meetings that have been properly noticed. These restrictions can prohibit even informal discussions among members of a public body regarding public business.

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## FOIA

- The failure to comply with FOIA can lead to enforcement actions and, in cases of willful and knowing violations, monetary penalties against individuals.
- SPSA remains committed to community transparency and openness. To ensure that we all remain in compliance with FOIA, please limit all discussion of the committee's business and activities to formal meetings.
- We do not anticipate that you will receive any requests for documents in your capacity as a member of the committee, but, if you do, please forward them to Liesl DeVary for processing.

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## History

- SPSA is a public body incorporated in the State of Virginia and has all the rights, powers and duties set forth in Chapter 51 of Title 15.2 of the Code of Virginia.
- Originally created in 1973 as a water authority and in 1976 SPSA's responsibilities were revised to be the regional solid waste disposal system.
- Core Purpose: The management of the safe and environmentally sound disposal of regional waste.
- SPSA is governed by a 16 member board of directors comprised of:
  - 8 Governor Appointed Members (cannot be elected officials)
  - 8 Ex-officio members – an employee of respective member locality

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## SPSA Operations

SPSA staff operate:

- Nine transfer stations throughout Southeastern Virginia
- The Regional Landfill in Suffolk
- A transportation division including 30 tractors and 40 trailers
- A fleet maintenance operation ~ 1 shop in Portsmouth and 1 shop at the Regional Landfill
- A household hazardous waste (HHW) program
- A tire shredding facility
- A white goods and scrap metal program and
- A comprehensive safety program

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## SPSA Stats

- 140 employees
- Transfer Stations handle over 600,000 tons per year.
- The transportation division:
  - Hauls over 425,000 tons per year
  - Drive over 760,000 miles per year
- The Regional Landfill accepts over 325,000 tons per year.
- Fleet Maintenance manages approximately 234 pieces of rolling stock, ranging from pickup trucks, dozers, excavators to tractors and trailers.
- Tire shredder processes over 460,000 tires per year. We use the shredded tires at the landfill for alternate daily cover, drainage projects and road base.

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## SPSA owns and operates nine transfer stations varying in size.



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## Aerial View of Landfill

Located on 833 acres in the City of Suffolk.

**Cells I – IV** account for 100 disposal acres. No more waste is being disposed of in these cells.

**Cell V** is permitted for 44 disposal acres.

**Cell VI** is permitted for 41 disposal acres. This is the cell currently being used.

**Cell VII** is currently operated as a borrow pit to support the landfill operations and is fully permitted for 56 disposal acres.

**Cell VIII/IX** are for future expansion.



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## Projected Life of Landfill

- At the current rate of waste disposed at the Regional Landfill, the current cells (V&VI) will be filled by 2029 but could be as early as 2027 dependent on volume, compaction ratio and achieving the planned slopes.
- Cell VII could be filled as early as 2035 if only MSW is disposed in the cell.

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## Landfill Gas

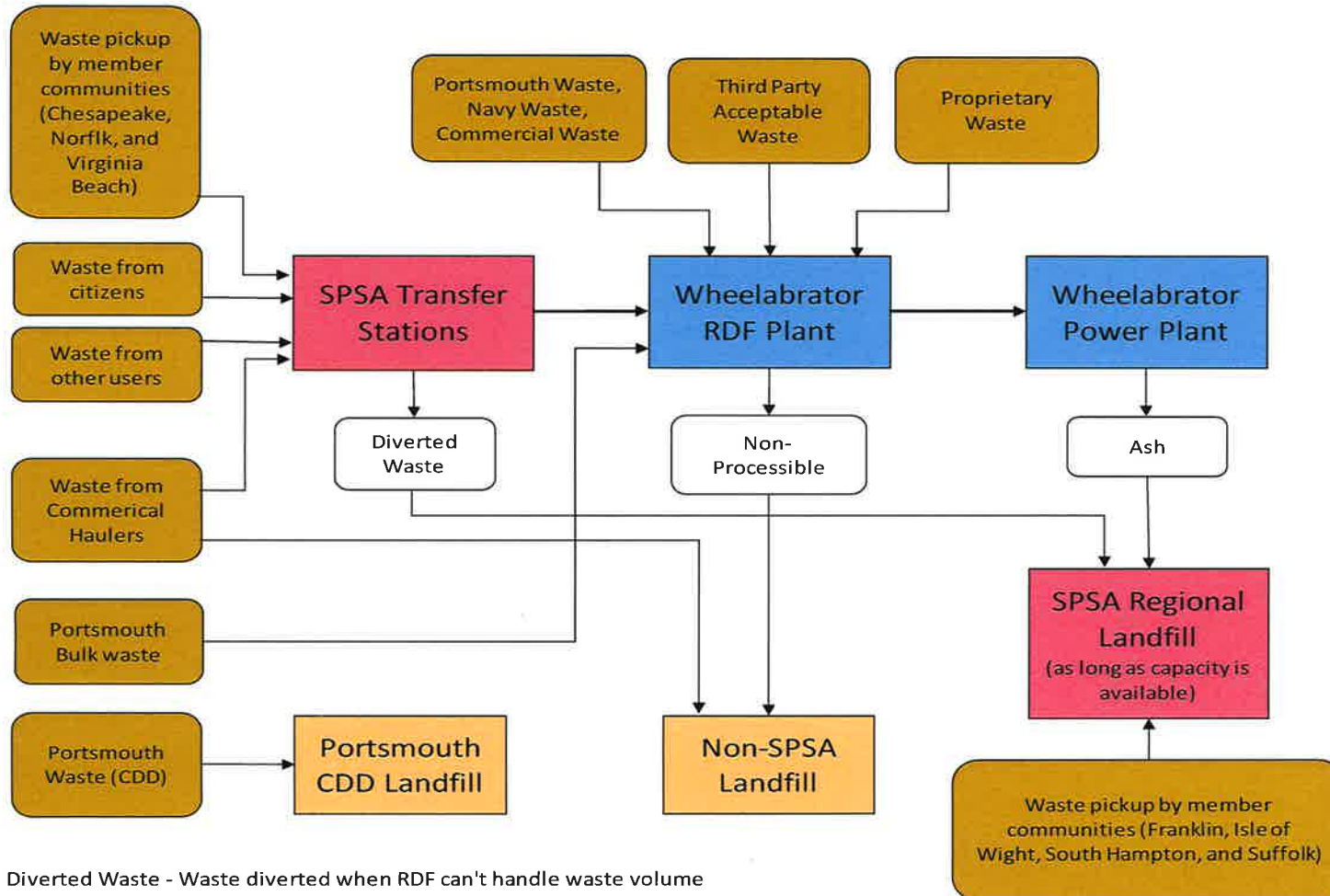
- Methane gas is a byproduct of decomposing waste. The gas is extracted and either sold to a local manufacturing plant or used to fuel generators that produce electricity which is sold back to the grid.
- If any excess gas exists it is "flared off" at the power generation plant.
- This is accomplished in conjunction with Suffolk Energy Partners who is a third party contractor.



10/23/2019

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# Flow of Waste



Diverted Waste - Waste diverted when RDF can't handle waste volume



**Questions / Comments**

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**CELLS VIII & IX PERMITTING  
CITIZENS ADVISORY COMMITTEE**

First Meeting | October 29, 2019



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**01 REGULATORY SITING  
CRITERIA**

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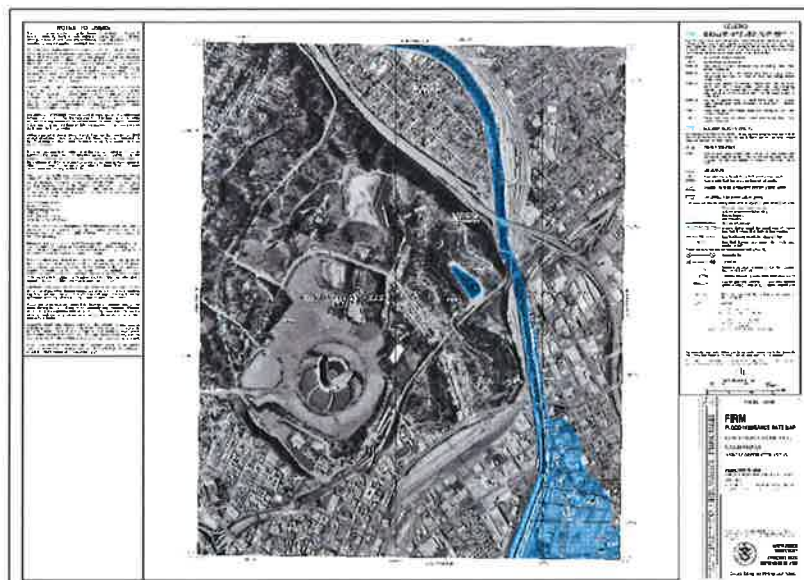
## 9VAC20-81-120. SITING REQUIREMENTS

Floodplains	Stable areas	Restrictions
Groundwater	Wetlands	Limiting Site Characteristics
Special Considerations	Adequate Area to Manage Leachate	Airport Proximity

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## FLOODPLAINS

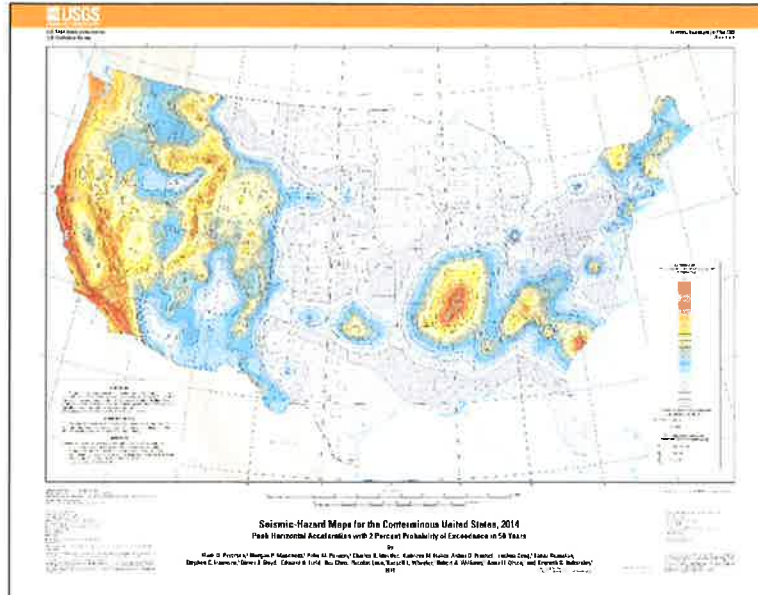
No new landfill shall be sited in a 100-year floodplain



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## STABLE AREAS

Geologically stable areas where adequate foundation support for the structural components of the landfill exists.



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## RESTRICTIONS

**50 feet**

from the facility boundary

**100 feet**

from any perennial stream or river

**200 feet**

from any residence, school, daycare center, hospital, nursing home, or recreational park area in existence **at the time of application**

**500 feet**

from any well, spring, or other groundwater source of drinking water in existence at the time of application

**1,000 feet**

from the nearest edge of the right-of-way of any interstate or primary highway

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## RESTRICTIONS

- Park or recreational area
- Wildlife management area
- Critical habitat of any endangered species
- Surface or groundwater public water supply intake or reservoir
- Areas vulnerable to flooding
- Over a sinkhole or solution cavern associated with karst topography
- Over a fault that has had displacement in Holocene time
- Within seismic impact zones



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## GROUNDWATER

- Factors to be considered in determining whether or not a site can be monitored shall include:
  - Ability to characterize the direction of groundwater flow within the uppermost aquifer
  - Ability to characterize and define any releases from the landfill so as to determine what corrective actions are necessary
  - Ability to perform corrective action as necessary



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## WETLANDS

- The construction and operation of the landfill will not:
  - Cause or contribute to violations of any applicable water quality standard;
  - Violate any applicable toxic effluent standard or prohibition under § 307 of the Clean Water Act;
  - Jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973; and
  - Violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary;



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## WETLANDS

- Not be constructed in any tidal wetland or non-tidal wetland contiguous to any water body, unless:
  - Impact is < 2 Acres, or
  - Existing Permitted Facility Subject to Provisions of § 10.1-1408.5
    - Suffolk Regional Landfill meets this Criteria



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## WETLANDS

- The landfill will not cause or contribute to significant degradation of wetlands. Including:
  - Erosion, stability, and migration potential of native wetland soils, muds, and deposits used to support the landfill;
  - The volume and chemical nature of the waste managed in the landfill
  - Impacts on fish, wildlife, and other aquatic resources and their habitat from release of the solid waste
  - The potential effects of catastrophic release of waste to the wetland and the resulting impacts on the environment



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## SITE CHARACTERISTICS

- No Excessive Slopes (>33%)
- Lack of available cover material on-site or commitment from a borrow site
- Presence of springs, seeps, or other groundwater flow
- Presence of gas, water, sewage or electric transmission lines
- Existence of former open dump
- Adequate space to manage leachate
- Airport Proximity



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# 02 OTHER CONSIDERATIONS

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## OTHER CONSIDERATIONS

- Community Acceptance/Zoning
- Proximity to Waste Generation and Transfer Stations
- Adequate Site Access
- Proximity to Residents/Commercial
- Wastewater Connection
  - Forcemain or Hauling
- Stormwater Discharge Location
  - Discharge Requirements



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## OTHER CONSIDERATIONS

### ▪ Property Size

- Landfill Cells and Roadways
- Buffers
  - How much is enough?
- Soil Borrow Areas
  - Support construction and operation
- Complimentary Operations
- Support Facilities
  - Leachate Pre-Treatment
  - Admin
  - Maintenance Garage
  - LFG to Energy
  - Citizens Drop-Off

