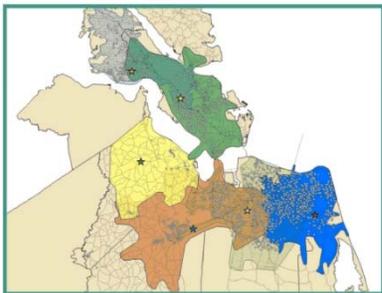


REGIONAL RESIDUALS FACILITY

Regional Grit and Grease Drying Facility Location Study



PEP03-06

Presentation to
Hampton Roads Planning District Commission
John M. Carlock
Deputy Executive Director
March 17, 2010



GRIT AND GREASE

- Grit and Grease is the sand, silt, grease, and liquid material removed from the sewer system during routine maintenance.
- Regulations require most of the liquid to be removed before disposing of the solid portion in a municipal solid waste landfill.
- Liquid is disposed of through the wastewater treatment system.

HISTORICAL OVERVIEW

- Regional Grit and Grease Drying Facility – 2003
- Regional efforts to:
 - Contract among HRSD, Chesapeake, Norfolk, Portsmouth and Suffolk
 - Refine Quantities by Locality
 - HRSD Evaluates Feasibility
 - HRSD Consultant Designs Facility
- HRSD Constructs Facility
- Facility Opens March 2010

FACILITY CHARACTERISTICS

- LOCATION: HRSD Nansemond Wastewater Treatment Plant
- DESIGN:
 - 25 trucks per week; over 7,100 wet tons annually
 - Five discharge bays – used on rotating basis
 - Unattended operation with monitoring and digital recording via Closed Circuit Television
 - Automatic scales, doors and traffic lights
 - Odor control – enclosed, activated carbon filtration and integrated ventilation

FACILITY CONSTRUCTION



FACILITY OPERATIONS – FIRST CUSTOMERS



03/16/2010

NEXT STEPS

- Operations – First Load – March 16, 2010
- HRSD Policy – Proper disposal of sewer cleaning residuals is directly related to HRSD Mission
- Payment Policy:
 - No charge for disposal of residuals removed from public collection systems within HRSD service area.
 - Open to all local governments within HRSD service area.
- HRSD evaluates facility for Peninsula Location

CONCLUSIONS

- Positive example of regional cooperation.
- Assists in meeting requirements of Regional Sanitary Sewer Overflow Consent Order and HRSD Consent Decree.

