Regional Source Water Protection Plan

Committee Review Draft

Directors of Utilities Committee
October 5, 2016

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Products (distribute via email):

1. **Regional SWPP Document** (10-5-16 Review Draft)

Digital Resources:

2. **Regional Geodatabase** (ArcMap Package)
3. **Maps of Gas and Hazardous Liquid Pipelines** (PDFs)
4. **Updated VDH Source Water Assessment Maps, Land Use Inventories, and Potential Contamination Source Inventories** (*PDFs/GIS data for each Utility*)

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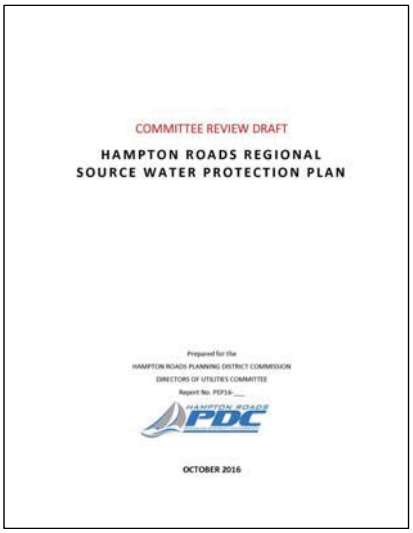
1. Regional SWPP Document


COMMITTEE REVIEW DRAFT

HAMPTON ROADS REGIONAL
SOURCE WATER PROTECTION PLAN

Prepared for the
HAMPTON ROADS PLANNING DISTRICT COMMISSION
DIRECTORS OF UTILITIES COMMITTEE
Report No. PEP16-___

HRPDC

OCTOBER 2016

Committee Review Draft
(10-5-16 via email)

Comments by: October 28, 2016

Discussion: November 2, 2016 Committee Meeting

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2. Regional Geodatabase (ArcMap Package)

Regional GIS Data (HRPDC, HRSD, DEQ, VDOT, U.S. Dept. of Energy)

- ☑ Municipal Sources
- ☑ Chloride Contours (Yorktown-Eastover, Piney Point, Aquia, Potomac)
- ☑ Railways (includes owner and status)
- ☑ Wastewater Pump Stations, Mains, & Catchments
- ☑ EVGWMA, 2015 DEQ well data (ref. VDH well nos.)
- ☑ Road Centerlines (VDOT map service)
- ☑ Energy Sector Data (natural gas & petroleum pipelines and terminals, crude oil rail terminals, ethanol plants, power plants, etc.)

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2. Regional Geodatabase (ArcMap Package)

VDH SWAP GIS Data

- Sources (intakes and wells)
- SWAP Zones 1 and 2 (surface water only)
- Reference:
  - Impaired Streams
  - Impaired Waterbodies
  - Land Use/Land Cover
  - Soils
  - Roads
  - Rails (VDOT data)
- Potential Sources of Contamination (PSCs):
  - Airports
  - Boat Ramps
  - Golf Courses
  - Hospitals
  - Industrial Sites
  - Landfills
  - Marinas
  - Mines
  - RCRA Sites
  - Storage Tank Releases
  - Superfund Sites
  - Tire Piles
  - Underground Injection Wells
  - NPDES Discharges

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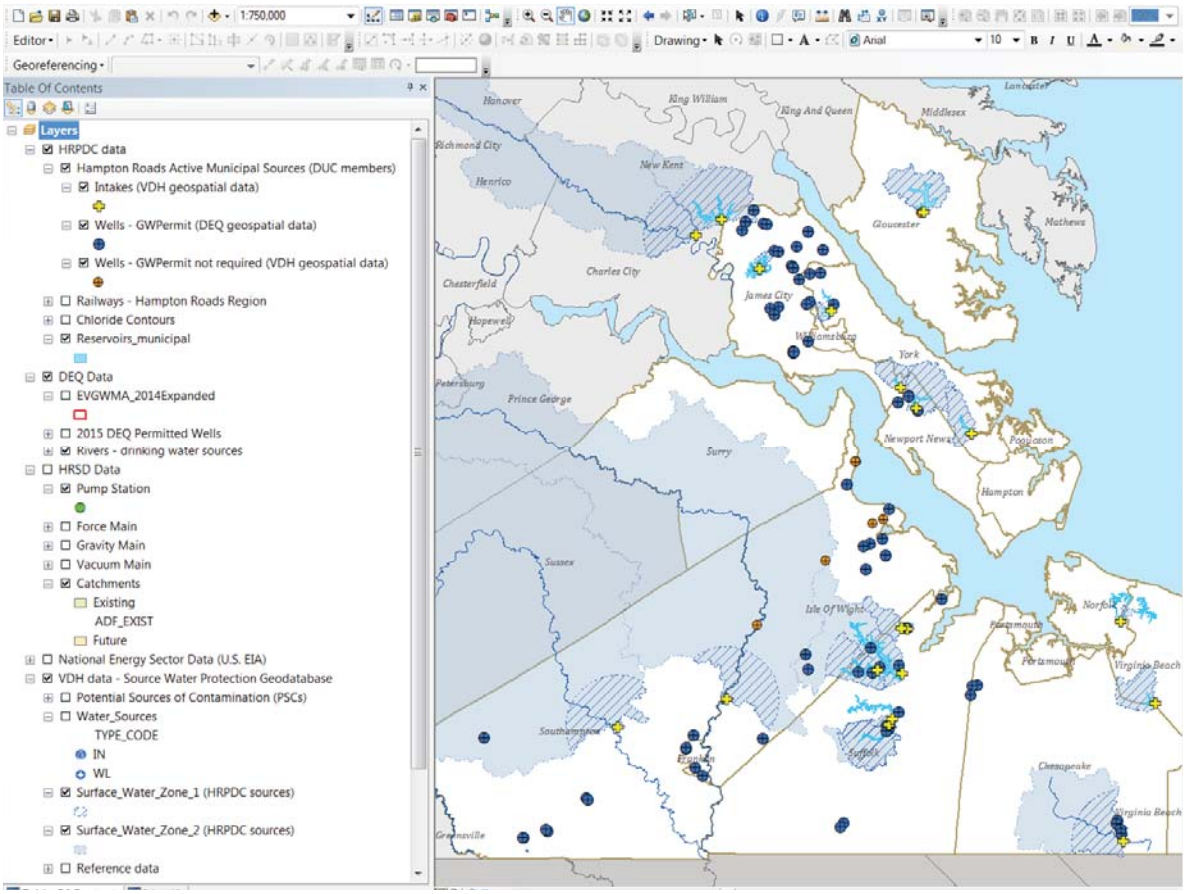
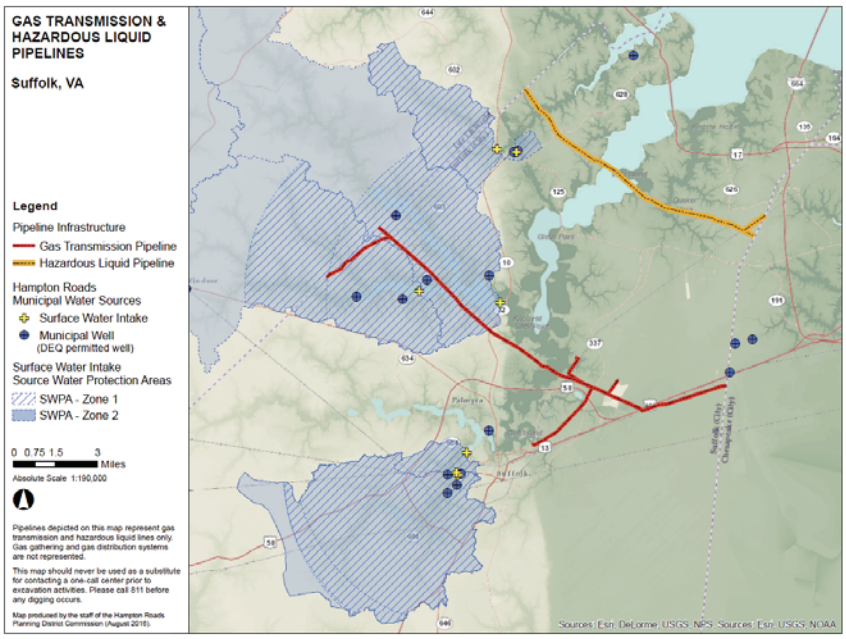


3. Maps of Gas and Hazardous Liquid Pipelines (PDFs)

NPMS limits display of data to 1 locality at a time (1:24,000 max scale).



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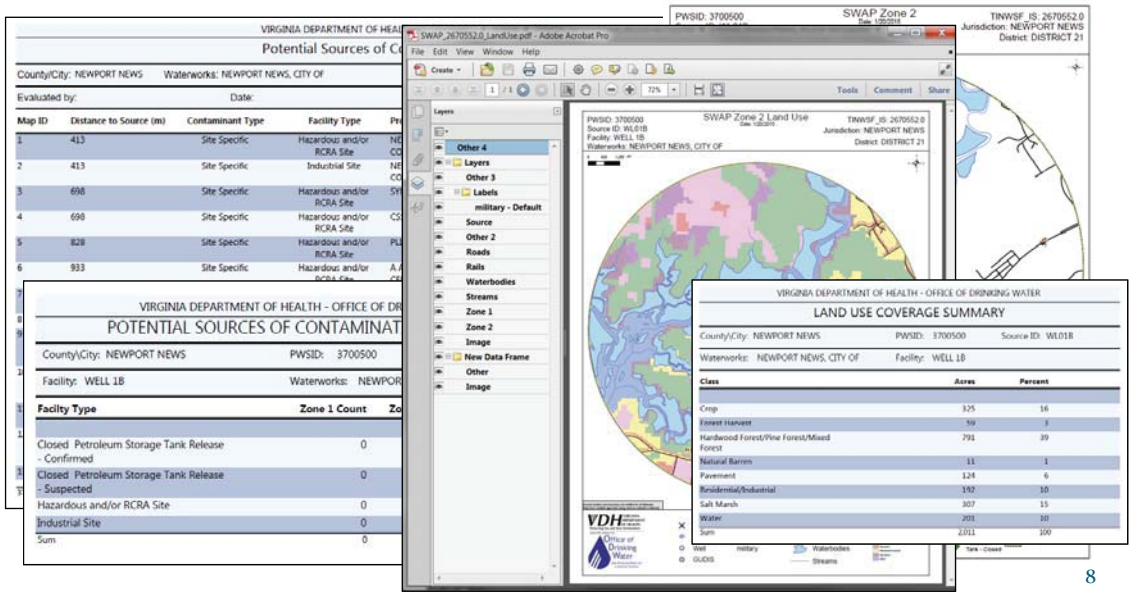
4. Updated VDH Source Water Assessment Maps, Land Use Inventories, and Potential Contamination Source Inventories (*Emails to individual Utilities*)



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VDH Maps/Inventories – Correction Requested

Utility	Qty	Source	Change Requested	VDH Maps & Inventories
Chesapeake	1	Well	Add well (missing from VDH dbase outputs)	Pending (VDH)
Franklin	1	Well	Correct location	Pending (VDH)
Isle of Wight	11	Wells	Ownership change from private to public	Complete
Newport News	2	Wells	Correct location	Pending (VDH)
Norfolk	2	Wells	Delete (non-City sources)	Pending (VDH)
Norfolk	4	Wells	Correct location	Pending (VDH)
Portsmouth	1	Intake	Correct location	Pending (VDH)
Portsmouth	1	Well	Delete (no such well)	Pending (VDH)
Portsmouth	5	Wells	Add wells (missing from VDH dbase outputs)	Pending (VDH)
Suffolk	3	Wells	Correct location	Pending (VDH)
Williamsburg	1	Well	Add well (missing from VDH dbase outputs)	Pending (VDH)

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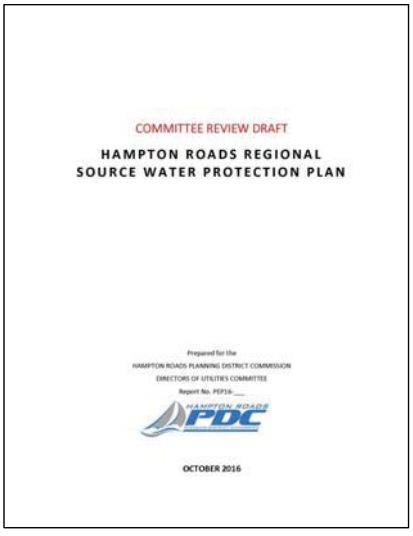
Questions?



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