

Regional Source Water Protection Plan

Committee Review Draft

Directors of Utilities Committee
October 5, 2016

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Products (distribute via email):

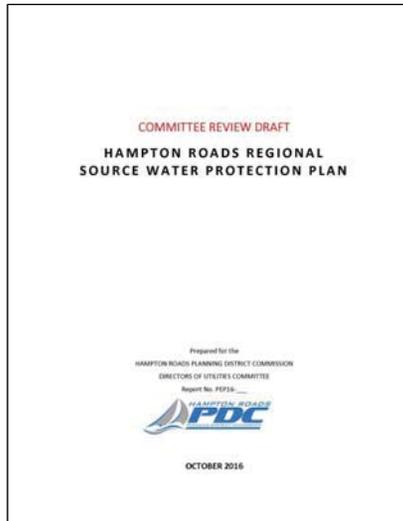
1. **Regional SWPP Document** (10-5-16 Review Draft)

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

(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.)

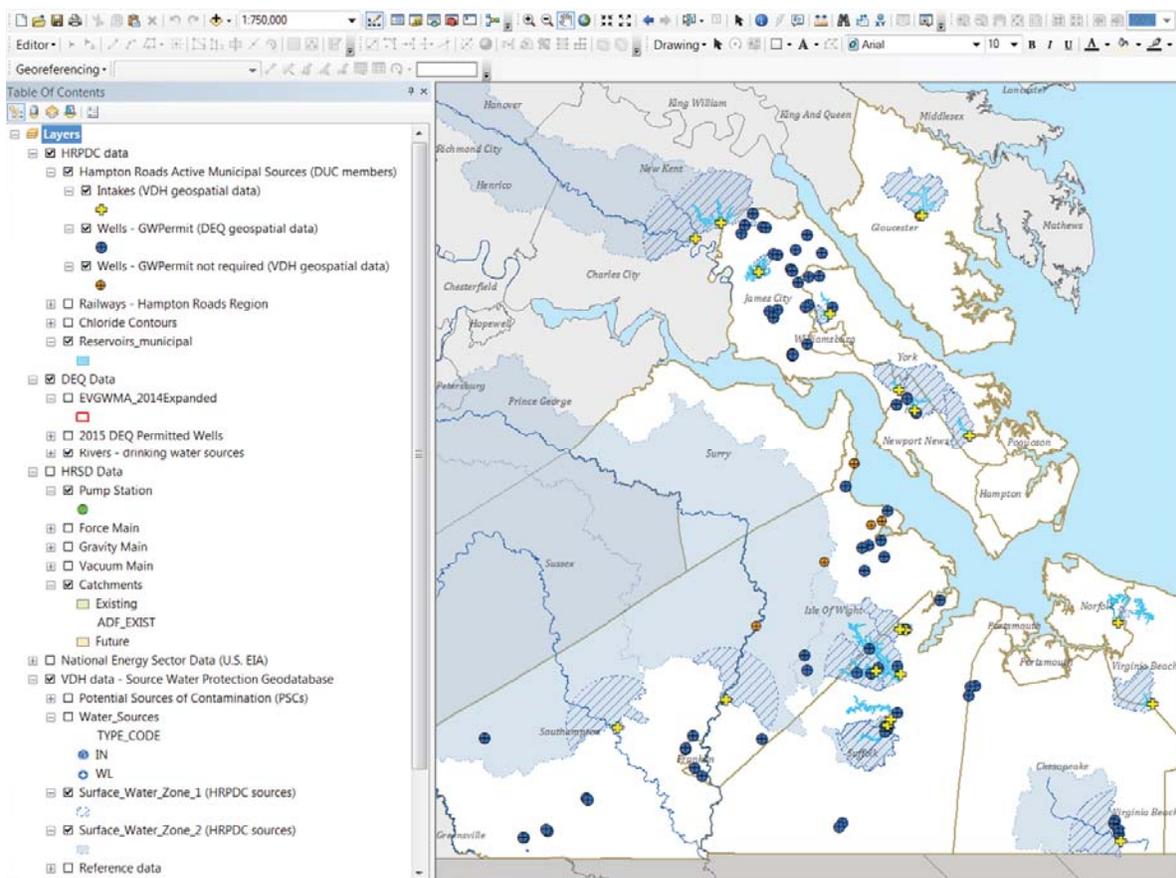
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2. Regional Geodatabase (ArcMap Package)

VDH SWAP GIS Data

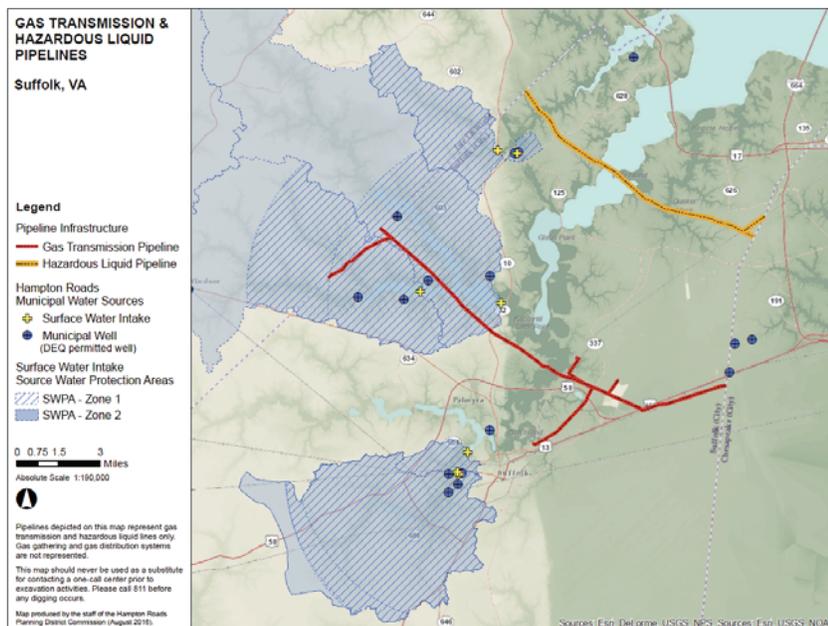
- Sources (intakes and wells)
- SWAP Zones 1 and 2 (surface water only)
- Reference:
 - Impaired Streams
 - Impaired Waterbodies
 - Land Use/Land Cover
 - Soils
 - Roads
 - Rails (VDOT data)
- Potential Sources of Contamination (PSCs):
 - Airports
 - Boat Ramps
 - Golf Courses
 - Hospitals
 - Industrial 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*)

VIRGINIA DEPARTMENT OF HEALTH - OFFICE OF DRINKING WATER

POTENTIAL SOURCES OF CONTAMINATION

County/City: NEWPORT NEWS Waterworks: NEWPORT NEWS, CITY OF

Evaluated by: _____ Date: _____

Map ID	Distance to Source (m)	Contaminant Type	Facility Type	Priority
1	413	Site Specific	Hazardous and/or RCRA Site	HI
2	413	Site Specific	Industrial Site	HI
3	698	Site Specific	Hazardous and/or RCRA Site	SV
4	698	Site Specific	Hazardous and/or RCRA Site	CS
5	828	Site Specific	Hazardous and/or RCRA Site	PL
6	933	Site Specific	Hazardous and/or RCRA Site	A.F.

VIRGINIA DEPARTMENT OF HEALTH - OFFICE OF DRINKING WATER

POTENTIAL SOURCES OF CONTAMINATION

County/City: NEWPORT NEWS PWSID: 3700500

Facility: WELL 1B Waterworks: NEWPORT NEWS, CITY OF

Facility Type	Zone 1 Count	Zone 2 Count
Closed - Petroleum Storage Tank Release - Confirmed	0	0
Closed - Petroleum Storage Tank Release - Suspected	0	0
Hazardous and/or RCRA Site	0	0
Industrial Site	0	0
Sum	0	0

Class	Acres	Percent
Crop	325	16
Forest/Barren	59	3
Hardwood Forest/Pine Forest/Mixed Forest	791	39
Natural Barren	11	1
Pavement	124	6
Residential/Industrial	192	10
Salt Marsh	307	15
Water	201	10
Wetland	2311	100

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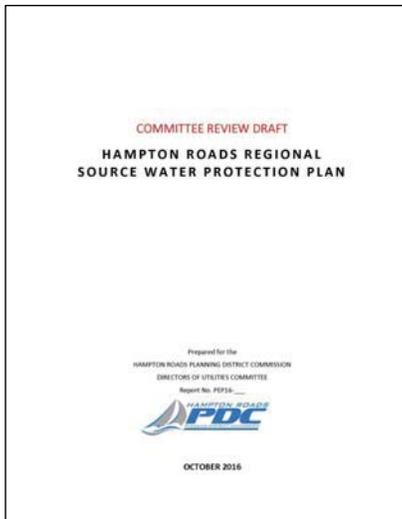
VDH Maps/Inventories – Correction Requested

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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