

**November 2008
Intergovernmental Reviews
Thomas Jefferson Planning District Commission**

LOCAL

FY09 – 15 DEQ modification of a VPDES permit for Louisa Regional Wastewater Treatment Plant

Louisa County Water Authority has applied for a modification of the permit for the Louisa Regional Wastewater Treatment Plant, located 0.8 miles south of the intersection of Rts. 22 and 33 (southeast of the Town of Louisa). The modification would allow expansion of the plant from a discharge of 400,000 gallons per day to 800,000 gallons per day. The plant discharges to Beaver Creek, a tributary of the South Anna River. Examination of the discharge monitoring records revealed 27 instances of high zinc levels in the effluent since 2005, as well as high copper levels in five months of 2008. The permit indicates that compliance with metals limits should be reached by March 29, 2008, but that obviously has come and gone, and the plant continues to exceed limits. Further information has been requested from DEQ staff regarding the metals levels for this plant and plans to control them.

Sludge from this plant is land-applied to 48 acres of land owned by Charles Winston. The new permit requires development of a Nutrient Management Plan for the site, to be submitted for review at least 30 days prior to land application. The plant was also part of the study area for the Pamunkey River Basin Bacterial TMDL. However, in the TMDL, possible expansion of the plant was considered and found not to cause additional exceedances of the water quality standard for bacteria.

FY09 – 16 DEQ reissuance of a VPDES permit for Deer Park Sewage Treatment Plant

VA Properties, LLC has applied for a reissuance of the permit for Deer Park Sewage Treatment Plant, which remains a proposed facility and therefore has no records. The proposed plant would discharge 90,000 gallons per day into Hunters Branch, a tributary of Ballinger Creek in the Rivanna watershed in Fluvanna County. The plant would be located on Better Living Drive in Troy. Some standards have been changed in the new permit according to current guidance; most notably, the plant will be required to offset any loads of total nitrogen or total phosphorus that are expected to be discharged in a given calendar year, as it has zero waste load allocations under the General VPDES Permit for nitrogen and phosphorus in the Chesapeake Bay watershed. The owner must submit an approvable offset plan prior to receiving a Certificate to Construct. Details of the plan and any related changes to the General VPDES Permit registration will be published and receive a 30-day comment period. Approval of a sludge management plan will also be required prior to construction.

FY09 – 17 DEQ review of an Environmental Impact Report for Long Term Acute Care Hospital (University of Virginia)

UVA's Health Services Foundation proposes to construct a Long Term Acute Care Hospital (LTACH) building on Ivy Road, west of Charlottesville. The building will be approximately 62,000 ft². The need for the facility has been justified by a State Certificate of Public Need, and the preliminary site plan has been approved by Albemarle County. The first floor will house 8,000 ft² of radiology support services including imaging and MRI equipment, along with building support and a small cafeteria. The floor levels respond to the existing grade conditions, so the first floor has a considerably smaller footprint than the 54,000 ft² second and third levels, which house the LTACH itself. The LTACH will be able to accommodate 50 patients; 40 adults on the second floor, and 10 children (as well as office space) on the third floor.

Construction of the facility will result in impervious area being increased from 0.85 acres to 1.94 acres. Stormwater will be managed through the use of a storage pipe and stormfilters. A biofilter had originally been proposed, but was deemed impractical due to the slope of the site. More trees will be planted than removed, so it is expected that tree canopy will actually increase. It is expected that most additional parking needed will be provided by modifications to the Northridge and Sieg Warehouse parking lots (the Sieg Warehouse parking lot modifications were included in IGR FY09-11). A traffic analysis indicated that the number of new trips to the area should be relatively low, but a traffic signal will be installed at the entrance to Northridge on Ivy Road to allow easier facility access.