



PERMITTING FIELD REPORT
Division of Waste Management
Solid Waste Section

Facility Type:						County:	
CDLF		COMPOST		INDUS	X	LCID	County name Rockingham
MSWLF		TP		TRANSFER		Other	Other type

Date of Meeting: April 1, 2015

DIN: 24113

FACILITY NAME AND ADDRESS:

Dan River Steam Station, 524 South Edgewood Road, Eden, NC

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Kim Hutchinson

Telephone: 980.373.2779

Email address: Kim.Hutchinson@duke-energy.com

PARTICIPANTS:

Consultants: AMEC	Ken Daley
	Cedric Ruhl
	Courtney Wheeler
Duke: Environ.	Kim Hutchinson
	Sean DeNeal
	Henry Taylor
Dan River	Tom Leap
	Tammy Mayer
	Bo Dotson
	Russell Boland
DENR: DWM	Larry Frost
	Elizabeth Werner
DWR	Shuying Wang

PURPOSE OF MEETING:

On January 20, 2015 DWM/SWS had a meeting with Duke and AMEC regarding the construction of a landfill at Dan River, in the ensuing months plans have changed. The purpose of this meeting was to bring DWM and DWR staff up to speed on the new proposed onsite landfill, general information and question/answer session.

MEETING NOTES:

Dan River has approximately 2.7 million cubic yards (cy) of CCR's onsite. 1.0 million cy are planned to be moved to Waste Management's Jetersville VA facility (CCR Monofill). Duke is now proposing a 25 to 30 acre onsite landfill capable of holding 1.7 million cy of CCR's. The landfill will be constructed on the current fill area 1 site. The fill area 1 site currently contains approximately 800,000 cy of material CCR's and dirt. The material in the area will be excavated to 2 feet below virgin material and then be built back up to +5 feet above the seasonal high GW level with compacted soil material, GCL and geosynthetic (with LCS), filled and capped. The current schedule calls for; the submittal of the Site Suitability/Design Hydro in July 2015 and PTC application August 2015. Duke's expectation is that a PTC will be issued as soon as October 2015.

Duke's consultant AMEC covered the basic design concept and posed 4 questions to DWM;

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- Question - On site storage – what will DWM require of Duke to temporarily store material onsite from fill area 1 and/or the ash basins in order to construct the landfill?
Staff response – DWM would like to review any plan from Duke regarding this matter; that said, we see no requirements in the solid waste rules or laws, current or proposed on this matter. DWM’s expectation however is that the storage must be; on the Dan River site, historically contaminated areas will be treated different from uncontaminated areas (possibly with a geosynthetic liner) and time limits will be established to consider it a storage and not a landfill.
- Question - Establishing the mean seasonal high GW level – For the establishment of the mean seasonal high GW level will the use of data from current investigations, from historic investigations and theoretical extrapolation suffice; considering the removal of material from fill area 1 will affect the GW levels?
Staff response – DWM has in the past and can accept the data proposed to establish a datum level for the mean seasonal high GW level for future construction.
- Monitoring of GW – what will DWM propose to ground water monitoring, considering this is an un-lined CCR storage/contaminated site?
Staff response – DWM will expect standard monitoring in accordance with current and proposed rules and laws.
- Environmental Assessment – what are DWM’s expectation?
Staff response – DWM expects that; the EA process will take time, must be done prior to issuance of a permit, and needs to satisfy the requirement as soon as possible to avoid delays in the permitting. Staff offered to host a teleconference on scoping the EA document to ensure it was sufficient/complete/acceptable prior to submittal to DWM.

Notes;

- DWM staff expects that local government approval will be required for this project, in the past this has been in the form of a zoning approval letter.
- DWM staff expects that a public hearing on the draft PTC for this project will be held due to public interest in all things Duke. The hearing would be held once a draft PTC is generated which will be upon completion of the PTC permitting process, so additional time will be needed. This is not a law or a rule requirement but rather a DWM policy, there is a possibility it may be waved.
- Certain items of the permitting process can be delayed and made conditional for the PTO, i.e. leachate disposal agreements and FA.
- The attendees then toured the proposed site, fill area 1.

Other info to report;

- Duke staff environmental responsibility for Dan River is being moved from Sean DeNeal to Kim Hutchinson, due to convenience.
- Geosynthetic manufacturers are lining up for Duke’s business; it appears several suppliers will be required and manufacturers will be pressed to the limit (with current capacity) to meet Dukes needs.
- Well drilling crews on site include companies from WV and will soon include NY and CA.
- Demolition of the old power plant is scheduled for 2017.

See attached picture.