

**2012 Groundwater NES/ACM QA/QC Checklist**  
**Virginia Department of Environmental Quality Division of Land Protection and Revitalization**

NES Required Discussion Topics		Included?	
Was at least one additional well installed downgradient of each GPS exceeding well			
Was at least one of these additional wells installed at the property line in the downgradient direction of plume migration			
Was at least one well screened to permit a vertical delineation of the plume			
In the case of off-site impact, were landowners notified			
Were the chemical aspects (nature) of the exceeding constituent(s) described			
Additional Discussion Topics			
Were all NES wells installed to RCRA standards			
Did the report contain the records of well installation			
Were all applicable constituents sampled for in all NES wells			
Were GW elevations obtained to define the rate and direction of plume movement			
Were constituent-specific groundwater plume maps included			
Was a vertical plume concentration map included			
Was a horizontal plume concentration map included			
ACM Required Discussion Topics		Option 1 Included?	Option 2 Included?
Remedy performance (use case histories)			
Remedy reliability (use case histories)			
Implementation ease (on site factors)			
Implementation cost			
Remedy start-up time (construction phase)			
Does remedy control exposure to GW contaminants (i.e., protective of Human health and environment)			
Remedy has ability to control further GW releases			
Are there potential impacts to receptors during implementation			
Remedy completion time (when all GPS achieved)			
Ability to control exposure to residual contaminants			
Ability to control cross media contaminant transport			
Remedy will comply with standards for the management of (investigatively derived) waste			
Institutional requirements (other permits, etc.)			
Public Participation Required Discussion Topics		Included?	
Was copy of public participation announcement included in the ACM			
Did the notice include the required VSWMR information			
Was ACM made accessible to the public during the public comment period			
Was a transcript of the public hearing included in the ACM			
Was a copy of any written public comment included in the ACM			