



COMMONWEALTH OF VIRGINIA  
 VIRGINIA DEPARTMENT OF ENERGY  
 MINED LAND REPURPOSING  
 3405 MOUNTAIN EMPIRE ROAD; BIG STONE GAP, VA 24219  
 TELEPHONE: (276) 523-8100

**EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS  
 CONSTRUCTION CERTIFICATION**

<b>COMPANY NAME</b>			<b>PERMIT NO.</b>		
Fill No.	Type of Fill	MLR Fill Id. No.	MPID at toe		
Type of construction certification:					
Current Location of Toe of Fill (NAD83 Virginia South State Plane Coordinates)		Northing	Easting		
<b>Removal of Organic Materials and Topsoil</b>					
Distance in feet that clearing and grubbing operations precede spoil placement.					
Distance in feet that topsoil removal operations precede spoil placement.					
Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".					
Topsoil is removed to competent subsoil or rock.					
All topsoil is being stockpiled or placed on completed portions.					
<b>Placement of Underdrain System (attach color photographs)</b>					
Height by width <b>dimensions</b> (in feet) of the underdrain per the approved detailed plans.					
Actual constructed height by width <b>dimensions</b> (in feet) of the underdrain.					
Durable rock is free of shale, fines, and other contaminants.					
The rock grading is in accordance with the approved design.					
Rock is being placed by selective handling from the toe of the fill.					
The keyway cut was constructed in accordance with the approved design.					
The rock toe buttress was constructed in accordance with the approved design.					
The filter systems for the underdrain(s) were constructed in accordance with the approved design.					
Lateral drains were placed to all springs and potential seeps.					
<b>Installation of the Surface Drainage System</b>					
Sediment ponds were installed prior to any fill construction disturbance.					
Temporary diversion ditches, if applicable, were installed in accordance with the approved design.					
Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and					
- are placed on the proper grade(s).					
- are constructed in accordance with the approved design dimensions.					
Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify ).					

<b>Placement and Compaction of Materials</b>	
	The material is placed in 4 feet lifts or less as specified in the approved design.
	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction.
	What is the percent of compaction?
	What is the moisture content of the material at the time of placement?
	Potentially toxic or acid forming material is being handled according to the approved plans.
	This is a durable rock fill composed of 80% durable rock, and
	- with the clay or shale dispersed properly.
	- the spoil is dumped at the approved locations.
	- the bench height above the completed portions are no greater than 50 feet.
<b>Vegetation</b>	
	Topsoiling and seeding are conducted concurrently with terrace completion.
	Seeding is in accordance with the approved mixtures and rates.
	Indicate the approximate percentage of ground cover.
<b>Sketch of Fill(s) and Support Structure(s)</b>	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> <li>1. approximate North.</li> <li>2. outline of the fill area.</li> <li>3. location of sediment control structure(s).</li> <li>4. number and location of completed terraces.</li> <li>5. the limits of organic material removal.</li> <li>6. the limits of topsoil removal.</li> <li>7. the location of any surface or ground water discharges.</li> <li>8. the location of all underdrains and diversion ditches.</li> <li>9. discuss any changes to be made, variations from the approved design, and any improper practices encountered.</li> </ol>	
<b>Comments</b>	

<b>Additional Data for Final Fill Certification</b>			
Attach <i>pdf</i> and <i>dwg</i> files (must include original and final contour lines) and digital photos.			
Total volume (mcy)		Footprint (acres)	
Describe methodology used to determine final fill volume.			
Linear feet of stream covered by fill			
Ephemeral (ft)	Intermittent (ft)	Perennial (ft)	Total covered (ft)

**Certification by Registered Professional Engineer**

I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the **Virginia Coal Surface Mining Reclamation Regulations** and as per the approved design(s).

<b>CERTIFIED BY:</b>		Certification/Registration No.	
<b>SIGNATURE:</b>		Date:	
<b>PLACE SEAL HERE</b>			