



**SEDIMENT BASIN DESIGN DATA SHEET**

<b>COMPANY</b>		<b>Application/Permit No.</b>	
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<b>BASIN NO.</b>		<b>NPDES No.</b>		<b>Latitude</b>		<b>Longitude</b>	
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<b>GENERAL INFORMATION</b>							
Hazard Classification							
Total Drainage Area ( acres)				Design Flow (cfs)			
Total Disturbed Drainage Area (acres)				Design Storm Event (year/hour)			
Total Disturbed Area to be Treated by Basin (acres)							
Required Basin Volume <sup>1</sup> (ac-ft)				Required Sediment Volume <sup>2</sup> (ac-ft)			
Basin Volume Provided (ac-ft)				Sediment Volume Provided (ac-ft)			

<b>BASIN GEOMETRY</b>					
	Bottom	Sediment Volume Provided	Basin Volume Provided	Emergency Spillway	Top
Elevation (ft.)					
Area (ft•)					

<b>PRINCIPAL SPILLWAY (if applicable)</b>							
Pipe Diameter (in.)		Pipe Length (ft.)		Pipe Inlet Elevation (ft.)		Slope %	
Riser Diameter (in.)		Height of Riser <sup>3</sup> (ft.)		Top of Riser Elevation (ft.)		Hp <sup>4</sup> (ft.)	
Type of Base			Type of Trash Rack & Anti-vortex device				

<b>EMERGENCY SPILLWAY (if applicable)</b>						
Hp <sup>4</sup> (ft.)		Bottom Width (ft.)		Side Slopes (H:V)		
Design Velocity (fps)			Type of Lining			

<sup>1</sup> (0.125 X disturbed area in acres)  
<sup>2</sup> (0.075 X disturbed area in acres)  
<sup>3</sup> Base to top of riser  
<sup>4</sup> Height of water in pool (head) above spillway

EXIT CHANNEL (if applicable)					
Slope (%)		Bottom Width (ft.)		Side Slopes (H:V)	
Flow Depth (ft.)		Freeboard (ft.)		Total Depth Exit Channel (ft.)	
Design Velocity (fps)		Type of Lining			

EMBANKMENT (if applicable)			
Top of Embankment Elevation <sup>5</sup> (ft.)		Constructed Top of Embankment Elevation <sup>6</sup> (ft.)	

COMMENTS

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<sup>5</sup> Top of Embankment Elevation = Emergency Spillway Elevation + Hp + Freeboard (1 ft. minimum)

<sup>6</sup> Constructed Top of Embankment = Top of Embankment Elevation + allowance for settlement (5% minimum)