Land Application from Freshwater Impoundments

Steve Young, PE, PS
Contact Information: Steven.A.Young@wv.gov
Cell: 304 395-1835
Schedule: Tuesday thru Friday, 7:00 am-5:00 pm
Land Application Form: FWLP-88

4) Facility Operator: ___________________________________________

5) Facility Name: ___________________________________________

6) Operator’s Facility Number: ________________________________

7) Facility Elevation: _______________________________________

8) Location:
   (a) Watershed: __________________________________________
   (b) District: ____________________________________________
   (c) County: ____________________________________________
   (d) Quadrangle: _________________________________________

9) Surface Owner*:________________________________________

10) Fee ($100): ____________________________________________

   Address: ________________________________________________

   _______________________________________________________

   □ Centralized
   □ Associated
     API#’s: ______________________________________________
     API#’s: ______________________________________________
     API#’s: ______________________________________________
DESCRIPTION OF APPLICATION AREA

12) Soil Type: ________________________________

Depth to Bedrock: ___________________________  Depth to Water Table: ________________

(Information from County Soil Survey Report)

13) Nearest Water Supply Distance: __________ Type: Well: □  Spring: □  Public Water Supply: □

14) Nearest Surface Water/Stream: ______________________________________________________

15) Nearest Occupied Dwelling: _________________________________________________________

16) Average Slope of Proposed Area of Land Application: _____________________________

17) Total Acreage of Proposed Application Area: ________________________________
LOCATION AND DESIGN MAP
18) Attach a map on the scale of 1:6,000 or larger showing the acreage within the permitted site to be used for land application identifying all surface waters, wells, springs, natural rock outcrops and property lines in relation to the proposed area of land application. The map shall also identify:
   (a) All discharge point(s). (In the following format Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
   (b) Accuracy to Datum – 3.05 meters
   (c) Data Collection Method: Survey grade or Mapping Grade GPS

DESCRIPTION AND METHOD OF LAND APPLICATION
19) Provide a narrative describing the:
   (a) Method and rate planned for land application of fresh water from the impoundment.
   (b) Status of vegetation conditions for the planned application area prior to any land application. (photo documentation)
   (c) Planned beginning date of land application.
   (d) Notify OOG county inspector 24 hours prior to land application.

20) Attach the representative (composite) water testing analysis for the following parameters with this application: pH, iron, dissolved oxygen, chloride, aluminum, manganese, oil and grease, total dissolved solids, calcium, barium, BTEX, and MBAS, and settleable solids. In the event a new source of fresh water has been added to the impoundment a representative sample (grab) shall be collected during the land application process and submitted to OOG within t 30 days of collection.
VOLUNTARY SURFACE OWNER STATEMENT OF APPROVAL

I hereby state that I have reviewed this application for coverage under general permit GP-WV-1-88 for the discharge of fresh water from the Centralized/Associated impoundment onto my surface land. I understand that before the permit coverage can be granted, the operator must have my consent to the application of fresh water on the surface land.

I further state that I have no objection to the planned land application of fresh water to the land surface described in these materials, and I have no objection to coverage under general permit #GP-WV-1-88 being granted.

For execution by Surface Owner(s):

_________________________________________ Date:____________
(Print)

_________________________________________ Name:_________________________________________
(Signature)

By:_________________________________________
Date:____________

Print:_________________________________________

Its:____________ Date:____________
Land Application Manager

• Chris Light
• Email: william.c.light@wv.gov
• Telephone:  304 926-0499, ext. 1734
• Schedule:  Monday thru Thursday, 7:00 am - 5:00 pm
Land Application Details

• $100.00 Fee Per Impoundment
• Topographic Map 1” = 500 ft. or Larger
• Show NAD 83 UTM Coordinates on Map at Discharge Point
• Show Proposed Area for Application on Map
• Landowner Consent Signoff on Form
• In Transmittal, Be Sure to Indicate Reason for Land Application Request, e.g. Freeboard Maintenance or for Reclamation
• If Request is for Freeboard Maintenance, Water Must Be Sampled for Each Occurrence of Freeboard Maintenance

• For Example, It May Take Several Days to Lower Freeboard for One Land Application Occurrence. This would require One Sampling Event. Then, One Month Later, Freeboard Maintenance is Required Again. Another Sample is Needed for that Land Application
• Take a Composite Sample of Impounded Water
• Water Test Parameters: pH, T. Fe, dissolved oxygen, T. Mn, Chloride, T. Al, Oil & Grease, TDS, Calcium, Barium, BTEX, MBAS, & Settleable Solids
• Must Sample to Submit with Request and Sample at Time of Land Application
Absolutely No Pooling on Ground or Runoff to Streams!!!

Discharge from Impoundment Must be Sprayed or Irrigated Over a Large Enough Area and at a Low Enough Rate so that the Vegetation and Ground Can Absorb the Discharge. Do Not Land Apply When Soil is Frozen, Too Moist or Too Dry.
Questions??