

Land Application from Freshwater Impoundments

Steve Young, PE, PS

Contact Information:

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Cell: 304 395-1835

Schedule: Tuesday thru Friday, 7:00 am-5:00 pm



west virginia department of environmental protection

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):

For execution by corporation, etc. (Surface Owner):

_____ Date: _____

(Print)

Name: _____

By: _____

_____ Date: _____

(Signature)

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??