



Water Management Plan Update: Oil and Gas Workshop, 05/16/2013



Presented by:
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west virginia department of environmental protection

Agenda items

- Entrainment & Impingement Prevention BMPs
- Partial Record Stations
- WMP Web Portal

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- ~~Entrainment & Impingement Prevention BMPs~~
- ~~Partial Record Stations~~
- ~~WMP Web Portal~~
- So, I have this Water Management Plan, now what?

So I have this Water Management Plan, now what?

“What does this permit allow me to do?”

An approved WMP is NOT a permit, it is a list of documented sources with assigned withdrawal criteria.

The image shows a screenshot of a water management plan form with several annotations. The form contains the following information:

- Source:** S. Fork of Fishing Creek @ Hastings Truck Pad
- Owner:** Dominion Transmission
- Start Date:** 1/1/2013
- End Date:** 1/1/2014
- Total Volume (gal):** 6,200,000
- Max. daily purchase (gal):** (blank)
- Intake Latitude:** 39.553
- Intake Longitude:** -80.669
- Regulated Stream?
- Ref. Gauge ID:** 3114500
- Gauge Name:** MIDDLE ISLAND CREEK AT LITTLE, WV
- Max. Pump rate (gpm):** 1,260
- Min. Gauge Reading (cfs):** 76.83
- Min. Passby (cfs):** 10.32
- DEP Comments:** (empty text box)

Annotations with arrows point to the following fields:

- Date Range:** Points to the Start Date and End Date fields.
- Max. Pump Rate:** Points to the Max. Pump rate (gpm) field.
- Location:** Points to the Intake Latitude and Intake Longitude fields.
- Gauge:** Points to the Ref. Gauge ID and Gauge Name fields.
- Flow requirements:** Points to the Min. Gauge Reading (cfs) and Min. Passby (cfs) fields.

So I have this Water Management Plan, now what?

“This well just moved up in the drilling schedule, and I need to start trucking water today.”

● Source	S. Fork of Fishing Creek @ Hastings Truck Pad		Owner:	Dominion Transmission	
Start Date	End Date	Total Volume (gal)	Max. daily purchase (gal)	Intake Latitude:	Intake Longitude:
1/1/2013	1/1/2014	6,200,000		39.553	-80.669
<input type="checkbox"/> Regulated Stream?	Ref. Gauge ID:	3114500	MIDDLE ISLAND CREEK AT LITTLE, WV		
Max. Pump rate (gpm):	1,260	Min. Gauge Reading (cfs):	76.83	Min. Passby (cfs)	10.32
DEP Comments:	<div style="border: 1px solid black; height: 80px;"></div>				

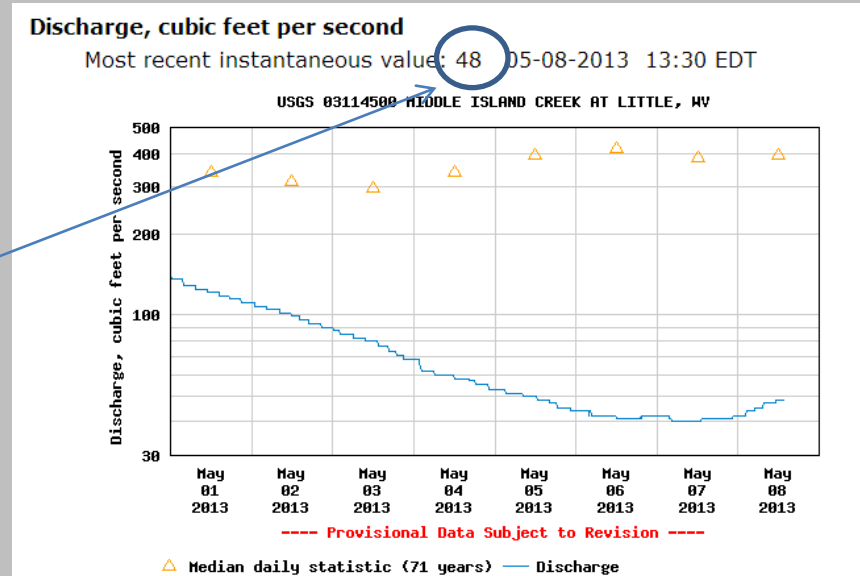
If the date ranges don't coincide with operator needs, the WMP must be modified.

So I have this Water Management Plan, now what?

“How do I check the reference gauge flow?”

Source	S. Fork of Fishing Creek @ Hastings Truck Pad			Owner:	Dominion Transmission
Start Date	End Date	Total Volume (gal)	Max. daily purchase (gal)	Intake Latitude:	Intake Longitude:
1/1/2013	1/1/2014	6,200,000		39.553	-80.669
<input type="checkbox"/> Regulated Stream?	Ref. Gauge ID:	3114500	MIDDLE ISLAND CREEK AT LITTLE, WV		
Max. Pump rate (gpm):	1,260	Min. Gauge Reading (cfs):	76.83	Min. Passby (cfs)	10.32
DEP Comments:					

48 < 76.83
Not today...



<http://waterdata.usgs.gov/wv/nwis/current/?type=flow>

So I have this Water Management Plan, now what?

“What’s the deal with pass-by flow?”

In addition to exceeding the minimum flow at the reference gauge, you must also exceed the minimum flow at the withdrawal site. Right now, there is no requirement to verify this flow, but the flow is enforceable. Flow may be verified by DEP even if the reference gauge indicates that withdrawals should be permissible.



So I have this Water Management Plan, now what?

“Flow is too low to pump from any of my sources, can I just buy some from the city?”

No sources may be used for a well if they are not documented in an approved Water Management Plan. If additional sources are required, the WMP must be modified.

So I have this Water Management Plan, now what?

“Ok, everything’s all clear, can I start now?”

First you need to:

- Send notification to DEP.Water.Use@wv.gov 24 hours before initiation of withdrawals
- Erect signage

So I have this Water Management Plan, now what?

“Sign? What sign?”

22-6A-8(g)(6)(B)

Signage for water withdrawal locations. All water withdrawal locations and facilities identified in the water management plan shall be identified with a sign that identifies that the location is a water withdrawal point, the name and telephone number of the operator and the permit numbers(s) for which the water withdrawn will be utilized.



So I have this Water Management Plan, now what?

“Oh, that sign.”



Questions?

- Contact

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