

# Cannelton Hydro Project

## FERC Project Number 10228

(viewed from above looking into Kentucky)



### **Status:**

The Cannelton Hydro Project started construction in April of 2009. As of November 5, 2011, Walsh Construction had placed over 17,488 cubic yards of concrete and is in the process of starting the assembly of turbine generator components. Preassembly of the equipment has been ongoing.

Much of the turbine and generator equipment, gate equipment, and the station main power transformers has been delivered to the site. Walsh is in process of assembling and testing its conveyor which will allow for a more expedient method of placement of the nearly 100,000 cubic yards of concrete needed to be placed for the job. It is anticipated that as soon as the conveyor is complete, Walsh will start a second shift concrete placement operation.

### **Budget and Schedule:**

The project currently is within budget and is proceeding well. AMP is looking at various means of reducing budgeted costs and ways to potentially improve the completion and on line dates.

# Smithland Hydro Project

## FERC Project Number 6641

(viewed looking into Illinois from the Kentucky shore)



### **Status:**

The Smithland Hydro Project started construction in April of 2010 with the construction of the cofferdam. CJ Mahan construction is designing and building the cofferdam which was scheduled for completion in September of 2011. A 100 year flood event in May of this year has delayed the completion by approximately 50 days. Additional Phase 1 and Phase 2 ground improvement work was awarded to CJ Mahan (and its subcontractor Hayward Baker). AMP is also in negotiations with CJ Mahan to be the general contractor responsible for constructing the powerhouse.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment will be arranged when the powerhouse contract is awarded. Some equipment may be stored by the manufacturer.

Since Big Rivers Electrical Corporation has joined the Midwest ISO, the transmission interconnection studies are being redone to allow for a shorter transmission line than originally proposed. This shorter line (2-3 miles) would be in place of the longer 11 mile line with an Ohio River crossing. The plant will connect to the same physical line, but it will be at a point that is much closer to the site. AMP is working with MISO to do the transmission studies to allow for the interconnection. AMP has met with Big Rivers and is working out the ownership details of the transmission line and the final substation location.

**Budget and Schedule:**

The project currently is on budget and proceeding well. AMP continues to look for various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no significant contractual disputes by CJ Mahan construction. The overall schedule for final completion of the project is scheduled for the late fall of 2014.

CJ Mahan was awarded Change Order 7, a \$9.3 Million change order and a 132 day time extension to perform the first phase of the Cannelton ground improvement. Six previous change orders have been issued for a total of \$126,132.28 and extending the contract times by 20 days.

# Willow Island Hydro Project

## FERC Project 6902

(Viewed looking upstream with the plant site on the right in West Virginia and Ohio on the left.)



The Willow Island Hydro Project is slated to start construction in June of 2011. The design / constructor of the cofferdam, Ruhlin Construction Company is under contract to do this work. Ruhlin is nearly 90 days ahead of schedule with the work and the result may be an earlier completion of the entire plant. AMP is in negotiations with Ruhlin for the general construction of the powerhouse and appurtenances. Some damaged caused by the operation of the lock and dam occurred at the site and this damage is within AMP's budget and is the responsibility of the contractor. The damage is also being investigated as a potential insurance claim. Any delay (it is anticipated to be less than 30 days) would be offset by the project currently being ahead of schedule.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment will be arranged when the powerhouse contract is awarded. Since the equipment manufacturing is ahead of schedule, some equipment may be stored by the manufacturer.

The transmission interconnection is less than 2 miles away and AMP is awaiting studies from the PJM independent system operator (ISO). Since the Willow Island capacity is less than 50 MW, no significant system impacts are expected.

**Budget and Schedule:**

The project currently is on budget and proceeding well. AMP is looking at various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no current contractual disputes with the cofferdam contractor, Ruhlin construction. The overall schedule for final completion of the project is scheduled for the spring of 2015, but may be pulled back into 2014 if Ruhlin continues to progress the work as it has thus far.

Minor change orders within AMP's budgets have been issued to Ruhlin Construction.