



FILE COPY

State of Ohio Environmental Protection Agency

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www.epa.state.oh.us

P.O. Box 1049
Columbus, OH 43216-1049

June 30, 2008

Mr. Bill Kasson
Regional Environmental Coordinator
American Electric Power
850 Tech Center Drive
Gahanna, OH 43230

**Re: Columbus Southern Power -Operations Center
NPDES: 4IN00147**

Dear Mr. Kasson:

Attached is the Reconnaissance Inspection Report for the AEP-Columbus Southern Power - Operations Center located at 4500 South Hamilton Road regarding NPDES permit 4IN00147.

Should you have any questions, please call me at 728-3846.

Sincerely,

Larry Korecko
Environmental Specialist
Enforcement and Compliance
Division Surface Water
Central District Office

LK/nsm Columbus Southern Power 5-12-08

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

ATTACHMENT

General

This facility located at 4500 South Hamilton Road functions primarily as an operations center to control and monitor the generation, transmission and distribution of electricity. It also dispatches line repair crews to areas of power outages. The facility does not produce a product. For NPDES purposes, the discharge consists of non-contact cooling water and storm water runoff.

The cooling water source is from two on-site wells. The groundwater from these wells is pumped thru heat exchangers to cool the facility. This water then is piped to a 2.4 acre retention pond before discharge to Blacklick Creek. Over the last few years, a small portion of Blacklick Creek has cut a path straight into the northwestern part of the retention pond (see attached pictures).

Previously retention time was estimated at about 1 week. This was before the creek has cut into the pond. **Does Columbus Southern have any plans to attempt to reroute this little branch of the creek away from its pond?**

Samples for pH are taken in the chiller room and taken to the AEP Dolan Lab for analysis.

Review in SWIMS for the period January 2006 through May 2008 revealed there were no permit limit violations. For this period the average flow was 220,000 gpd and the lowest pH was 6.9, the highest pH was 7.8 S.U.

Facility has 3 separate electrical feeds and generators to ensure it keeps operating.

Facility has two wells: one rated at 350 gpm and one rated at 400 gpm. Daily flow is estimated by multiplying 1440 (minutes) by either 350 or 400 depending on which pump is being used that day.

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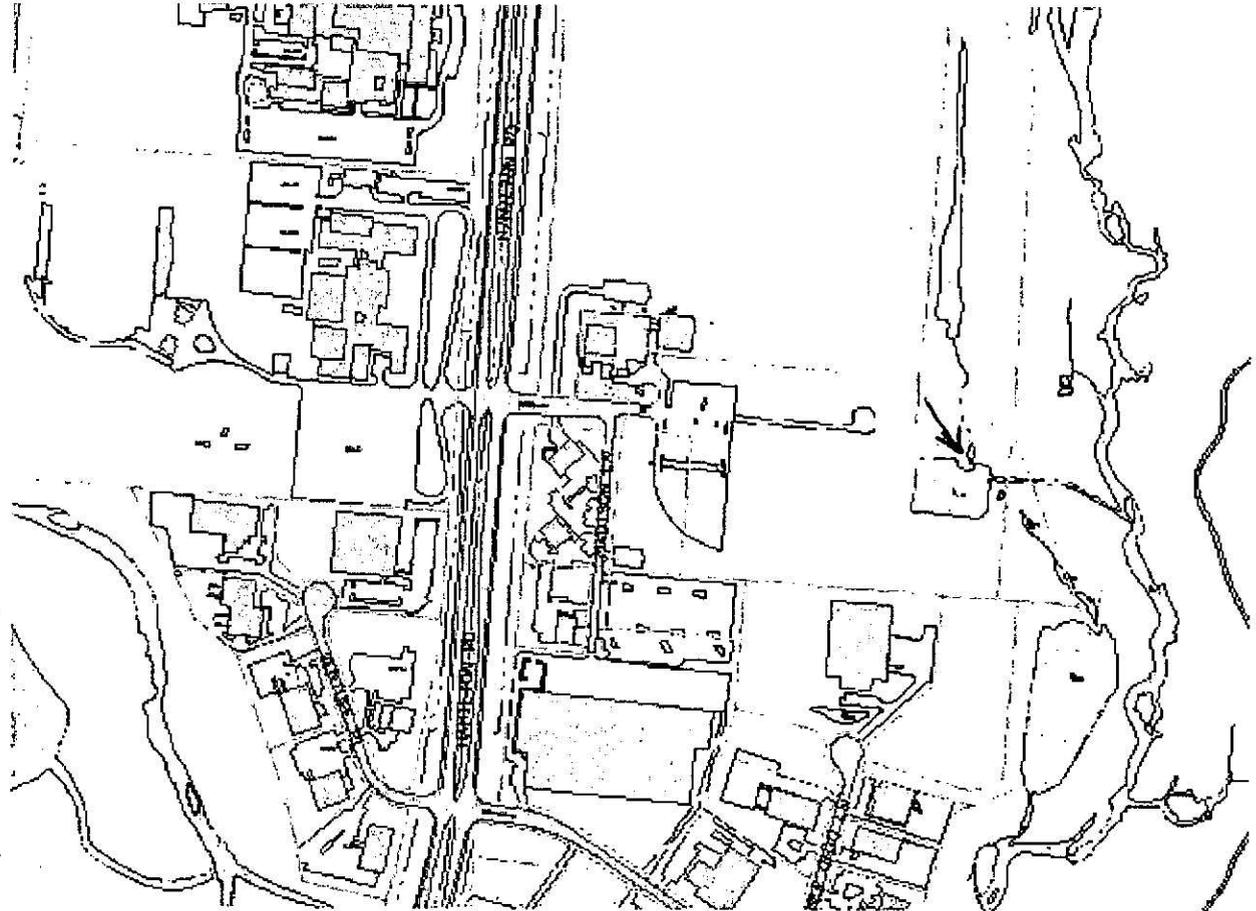


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Ortho Photographs taken in 2007

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