Ohio | Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

November 30, 2011

RE: CUYAHOGA COUNTY
ROCKY RIVER WATERSHED
CITY OF CLEVELAND
CLEVELAND HOPKINS INTERNATIONAL AIRPORT
TAXIWAY Q AND HOLDING PAD

Ricky D. Smith, Director
City of Cleveland Department of Port Control
5300 Riverside Dr.
P.O. Box 81009
Cleveland, OH 44181

Dear Mr. Smith:

On November 21, 2011, Ohio EPA received a request to approve the use of the North Detention Basin (NDB) as off-site mitigation of post-construction requirements for a portion of the Taxiway Q and Holding Pad project. Our records show that this project received coverage under the Ohio EPA General Storm Water National Pollutant Discharge Elimination System (NPDES) Permit for Construction Activities #3GC04854*AG. The storm water pollution prevention plan (SWP3) for this project had originally called for the use of dry enhanced swales to treat the runoff that could not be routed through the other post-construction best management practices (BMPs) installed. This amounted to only 8% of the project area, or 2,922 cubic feet of water quality volume (WQv) required to be treated. The NDB was recently retrofitted so that it provides extended detention of the WQv associated with its contributing drainage area as part of the Runway 10-28 Safety Area Improvements project.

A review of the calculations submitted and information provided by R.W. Armstrong, project engineers, and the City of Cleveland Department of Port Control shows that the NDB has adequate capacity to detain an additional 2,922 cubic feet associated with the Taxiway Q and Holding Pad project within the storage layer that detains the WQv of the retrofitted basin. In addition, this additional volume has no significant impact on the sizing of the two 4-inch orifices which control the discharge of the WQv for which the basin was designed. As such, Ohio EPA approves the use of the NDB as off-site mitigation for the portion of the Taxiway Q and Holding Pad project that was originally intended to be treated through the use of on-site dry enhanced swales.

As such, if the Taxiway Q and Holding Pad project has reached final stabilization, coverage under the NPDES permit can be terminated by submitting a Notice of Termination (NOT) to Ohio EPA. The form and instructions are available on our website at

www.epa.ohio.gov/dsw/storm/stormform.aspx. Please consult with the Cuyahoga Soil & Water Conservation District to determine if the project has reached final stabilization. Part IV.B.2 of the NPDES permit requires the NOT to be submitted within 45 days of reaching final stabilization.

If you have any questions, please contact me at (330) 963-1145.

Sincerely,

Dan Bogoevski

Dan Bogoevski
District Engineer
Division of Surface Water

DB/cs

Cc: Lisa Vavro, Cuyahoga SWCD
Kim McGreal, DPC Environmental Services, City of Cleveland
Julianne Kurdila, Department of Law, City of
David Cooper, Department of Building & Housing, City of Cleveland