

## RESOLUTION FOR THE MINUTES

A RESOLUTION for the Minutes Authorizing the Executive Director to enter into a professional services contract with LimnoTech to support the Commission in developing a hydrodynamic and water quality model of eutrophication effects for the Delaware River Estuary.

WHEREAS, the DRBC recognizes the vital importance of determining the appropriate designated aquatic life uses of the Delaware River Estuary and the water quality criteria necessary to protect these uses; and it appreciates the importance of reaching these determinations through a collaborative process informed by technical studies and specialized scientific and engineering expertise; and

WHEREAS, the need for a new Eutrophication Model of the Delaware Estuary to assess the attainability and associated treatment costs of higher levels of dissolved oxygen was recognized by the Commission in Resolution No. 2012-7 and is an essential and integral component of the Commission's December 2013 Nutrient Criteria Plan developed in consultation with DRBC's Water Quality Advisory Committee; and

WHEREAS, a Eutrophication Model Expert Panel has been established to guide the staff in the development of the model with the assistance of a modeling consultant to work closely with staff; and

WHEREAS, LimnoTech is uniquely qualified to serve as a modeling consultant to the Commission in developing a model of eutrophication effects for the Delaware River Estuary, based on, among other superb qualifications, the firm's:

- nation-wide experience in developing hydrodynamic and water quality models to address pollution in fresh and estuarine waters;
- basin-specific work in supporting the Commission's development of a hydrodynamic and water quality model for use in establishing total maximum daily loads (TMDLs) for PCBs in the Delaware River Estuary, an effort that has resulted in substantial reductions in PCB loadings from both point and non-point sources;
- key role in the development and calibration of a eutrophication model for the Potomac River; and

WHEREAS, the Academy of Natural Sciences of Drexel University has awarded the Commission a grant that includes the sum of \$150,000 for a modeling consultant to assist the DRBC staff and expert panels with development, calibration and evaluation of the new model; and

WHEREAS, additional funds are being identified to support the development, calibration and application of the model to develop allocations for point and non-point sources of nutrients and assessing attainability of higher levels of dissolved oxygen; now therefore,

BE IT RESOLVED by the Delaware River Basin Commission that:

1. The Executive Director is hereby authorized to enter into an agreement with LimnoTech to provide technical support to the Commission in developing a hydrodynamic and water quality model of eutrophication effects for the Delaware River Estuary.

2. The value of the agreement is not to exceed \$150,000 or the amount awarded to the Commission or allocated by it for this purpose.

3. In accordance with Section 14.9(5) of the Compact, the competitive bidding provisions of the Compact are hereby waived in view of the specialized and professional nature of the services to be provided.

This resolution shall take effect immediately.

Adopted: March 15, 2017