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September 26, 2016  
Ref. No. 260-01

## Administrative Record

Vanport Township Municipal Authority  
285 River Avenue  
Vanport, PA 15009

### Proposal for Professional Engineering Services Vanport Township Municipal Authority (VTMA) TCE Removal System Study

KLH Engineers is pleased to submit this proposal for Professional Engineering Services to conduct an evaluation of the current and future needs of the Vanport Township Municipal Authority (VTMA) concerning the Water Treatment Plant (WTP) TCE removal systems.

#### Scope of Service

KLH proposes to complete a comprehensive review of the current state of the existing TCE removal system, as well as an evaluation of alternative technologies now available to meet the same water quality standards. Anticipated tasks to be completed are as follows.

1. Conduct a detailed inspection of the TCE removal facilities from a hydraulic, process, structural, electrical and operational basis.
2. Review relevant operational and sampling data.
3. Review all previous reports pertinent to evaluating the conditions and potential improvements to the TCE removal system.
4. Develop a detailed evaluation of the existing system including, but not limited to, an assessment of current physical equipment condition, equipment life expectancy, current and future operation and maintenance costs; and current and future capital replacement costs.
5. Develop alternatives to address deficiencies of the removal system, including evaluation of completely new technology, existing component retrofits, or a combination of new and retrofitted facilities.
6. Evaluate all alternatives on a technical, constructability, process and cost basis.
7. Recommend an alternative based on associated costs, constructability and process capability issues.

#### Cost of Service

Based on the project scope, KLH proposes a lump sum fee of \$20,000 to complete the outlined work.

#### Reimbursement

It is the understanding of KLH that the request for this Study has been made by the Pennsylvania Department of Environmental Protection (PA DEP) in their efforts to establish treatment requirements for CBS/Viacom. As such, it is assumed that the costs associated with this study are to be reimbursed by the PA DEP.

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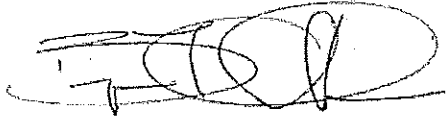
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Agreement

We appreciate the opportunity of providing you with this Proposal for Engineering Services for this project. We trust it will receive your favorable consideration. Subject to Board approval, your execution of a copy of this Proposal will act as our authorization to proceed.

Respectfully Submitted,

KLH ENGINEERS, INC.



Bryan M. Churilla, PE  
Vice President

VANPORT TOWNSHIP MUNICIPAL AUTHORITY

SIGNED:

Tom Cheyenne

BY:

Chairman

TITLE:

DATE:

09/29/16