

duncan, lagnese & associates, inc.

3185 BABCOCK BOULEVARD, PITTSBURGH, PA. 15237
TELEPHONE: (412) 931-8400 • (412) 364-5403

consulting engineers

dla

June 9, 1988

Mr. David A. Plank
Commonwealth of Pennsylvania
Department of Environmental Resources
Bureau of Community Environmental Control
Highland Building
121 South Highland Avenue
Pittsburgh, Pennsylvania 15206

VANPORT TOWNSHIP MUNICIPAL AUTHORITY
APPLICATION FOR PUBLIC WATER SUPPLY PERMIT
TCE REMOVAL PROJECT

Dear Mr. Plank:

On behalf of the Vanport Township Municipal Authority, I am personally delivering to you, this date, three (3) copies of the contract drawings and specifications in support of the Authority's public water supply permit application for the subject project. These drawings and specifications are submitted in conjunction with the Authority's \$320,000 financial assistance application filed with the Pennsylvania Infrastructure Investment Authority on May 5, 1988.

Very truly yours,

Dennis E. Graham, P.E.

DEG:gd/27398

Enclosures

cc: PIIA - Mark A. Leevan
VTMA - Avis M. Watt, Secretary
The Honorable Nicholas A. Colaffella
The Honorable James E. Ross

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CERTIFIED RETURN RECEIPT MAIL
CERTIFIED RETURN RECEIPT NO. P 938 002 159

June 9, 1988

Vanport Township Board of Supervisors
477 State Street
Vanport, Pennsylvania 15009

VANPORT TOWNSHIP MUNICIPAL AUTHORITY
TRICHLOROETHYLENE REMOVAL SYSTEM

Gentlemen:

In accordance with the requirements of Pennsylvania Act 14, we are writing to advise you that the Vanport Township Municipal Authority has filed an application with the Pennsylvania Department of Environmental Resources, Bureau of Air Quality Control, to construct and operate an air contamination source at its well field at 285 River Avenue, Vanport, Beaver County. An air stripping tower is proposed for construction to remove trichloroethylene from the Authority's public water supply.

Very truly yours,

Dennis E. Graham, P.E.

DEG:gd/2741B

cc: PaDER, BAQC - Charles R. McCann
VTMA - Avis M. Watt

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CERTIFIED RETURN RECEIPT MAIL
CERTIFIED RETURN RECEIPT NO. P 938 002 158

June 9, 1988

Beaver County Commissioners
Beaver County Court House
Third Street
Beaver, Pennsylvania 15009

VANPORT TOWNSHIP MUNICIPAL AUTHORITY
TRICHLOROETHYLENE REMOVAL SYSTEM

Gentlemen:

In accordance with the requirements of Pennsylvania Act 14, we are writing to advise you that the Vanport Township Municipal Authority has filed an application with the Pennsylvania Department of Environmental Resources, Bureau of Air Quality Control, to construct and operate an air contamination source at its well field at 285 River Avenue, Vanport, Beaver County. An air stripping tower is proposed for construction to remove trichloroethylene from the Authority's public water supply.

Very truly yours,

Dennis E. Graham, P.E.

DEG:gd/2742B

cc: PaDER, BAQC - Charles R. McCann
VTMA - Avis M. Watt ✓

June 9, 1988

Mr. Charles R. McCann
Commonwealth of Pennsylvania
Department of Environmental Resources
Bureau of Air Quality Control
Highland Building
121 South Highland Avenue
Pittsburgh, Pennsylvania 15206

VANPORT TOWNSHIP MUNICIPAL AUTHORITY
APPLICATION FOR PLAN APPROVAL
TCE REMOVAL PROJECT

Dear Mr. McCann:

On behalf of the Vanport Township Municipal Authority, I am personally delivering to you, this date, three (3) copies of the "Application for Plan Approval to Construct, Modify or Reactivate an Air Contamination Source and/or Air Cleaning Device and for a Permit to Operate" and two (2) copies of contract drawings and specifications for the Authority's proposed trichloroethylene removal system project.

The air stripping tower has a design capacity of 1200 GPM with a contaminant concentration of 100 PPB trichloroethylene in the wellfield supply. The 6'-0" diameter tower design utilizes 25 feet (height) of packing material and a 30:1 air to water ratio. A 99 percent removal rate is anticipated, which translates to 3.3 PPB concentration of TCE in the exhaust air stream from the tower, or 0.0719 lb/hr of contaminant air

emission. Since the maximum anticipated TCE air emission from the

proposed air stripping tower is well below the ATG for TCE indicated in the 4/19/88 memorandum from Joe Pezze to John Fruehstorfer, charcoal adsorption facilities have not been provided in the air stream from the tower.