



Re: Ottawa County  
Carroll Township  
Application for Modification to Treatment of  
Water Plant Regeneration Wastewater for  
Davis-Besse Nuclear Power Station  
Received October 15, 1984  
From Ms. Jennifer Scott-Wasiik

October 25, 1984

Toledo Edison Company  
300 Madison Avenue, Mail Stop 3056  
Toledo, Ohio 43652

### CERTIFIED MAIL

Gentlemen:

Enclosed is the Ohio EPA Permit to Install which will allow you to install the described source in the manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

As indicated on the permit, you are required to pay a permit fee as provided for by Section 3745.11 of the Ohio Revised Code and any rules established thereunder. The exact amount of this fee is indicated on page 1 of the Permit to Install. This amount must be remitted within fifteen (15) days of the effective date of the Permit to Install. Checks should be made payable to: Treasurer, State of Ohio and sent to Permits Bookkeeper, Ohio Environmental Protection Agency, 361 East Broad Street, Columbus, Ohio 43216.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code by any person who was a party to this proceeding. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
250 East Town Street  
Room 101  
Columbus, Ohio 43215

10/29/84 cc:	D. Briden	R. Scott
	J. Sullivan	F. Lange
	W. Mills	W. Rogers, w/o
	K. Nash	<u>J. Stolz, w/o</u> ✓

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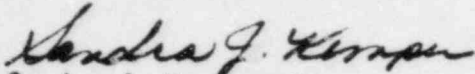
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Toledo Edison Company  
October 25, 1984  
Page 2

You should note that a general condition of your permit states that issuance of the permit does not relieve you of the duty of complying with all applicable federal, state and local laws, ordinances and regulations.

If you have any questions, please contact the Ohio EPA District Office to which you submitted your application.

Sincerely,

  
Sandra J. Kemper, Manager  
Permits & Compliance Programs

SJT/bs

Copy to Ottawa County Health Department  
" " Northwest District Office, Industrial Waste

OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit to Install

Applicant's Name: Toledo Edison Company  
Address: 300 Madison Avenue,  
Mail Stop 3056  
City: Toledo  
Telephone: (419) 259-5000, Ext. 501

Application No. 03-1960  
Permit Fee \$50.00  
State: Ohio 43652

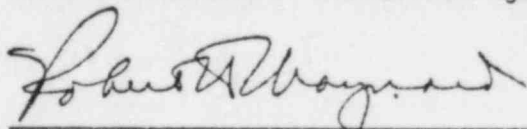
Description of Proposed Source: Modification to Treatment of Water Plant  
Regeneration Wastewater for Davis-Besse Nuclear Power Station, Carroll  
Township, Ottawa County

Issuance Date: October 25, 1984

Effective Date: October 25, 1984

The above named entity is hereby granted a permit to install for the above described source pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source of pollutants will be granted the necessary operating permits. This permit is granted subject to the following conditions attached hereto:

Ohio Environmental Protection Agency



Robert H. Maynard  
Director  
361 East Broad Street  
Columbus, Ohio 43215

This permit shall expire if construction has not been initiated by applicant within eighteen months of the effective date of this permit. By accepting this permit, applicant acknowledges that this eighteen month period shall not be considered or construed as extending or having any effect whatsoever on any compliance schedule or deadline set forth in any administrative or court order issued to or binding upon the permit applicant, and applicant shall abide by such compliance schedules or deadlines to avoid the initiation of additional legal action by the Ohio EPA.

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records or reports pertaining to the construction, modification or installation of the above described source of environmental pollutants.

Issuance of this permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, ordinances, and regulations.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

The proposed wastewater disposal system shall be constructed in strict accordance with the plans and application approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from these plans without the express, written approval of the agency. Any deviations from these plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of this permit does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

This permit shall be invalid unless the permit fee specified above has been paid in full to the Ohio EPA within fifteen days of issuance of this permit to install.

The owner shall be responsible for the proper operation and maintenance of the wastewater treatment system.

Report on Permit-to-Install Application for  
Modification to Water Treatment Regeneration at  
Toledo Edison Davis-Besse Nuclear Power Station,  
Ottawa County, Carroll Twp., No. 03-1960

On October 15, 1984, Northwest District Office received plans from Jennifer Scott-Wasilk, Environmental Monitoring Supervisor, for modifications to the water treatment plant regeneration treatment system at Toledo Edison's Davis-Besse Nuclear Power Station.

The modification consists of elimination of the existing neutralization tank which is used to adjust the pH of the regenerate waste by addition of acid or caustic. This waste stream will be rerouted to the backwash sump where it will combine with other water purification discharges. From the sump, this discharge will flow to the North Settling Basin, and thence to the Collection Box.

The acid and caustic steps of regeneration occur simultaneously and enter the waste streams simultaneously. The effect of this quick-mix neutralization would be a slightly acidic wastewater which would mix subsequently with high-pH wastewaters (8 to 9 S.U.) from the clarifier and filters. Thus this group of wastewaters could be self-neutralizing, with elimination of sodium hydroxide neutralization and a concomitant reduction of total dissolved solids and chemical additions in the waste stream.

An initial cause of this modification was an upgrading of the potable water system routing it through carbon filters. This required the installation of a backflow prevention device increasing the head necessary to pump the regenerate waste up to the neutralization tank beyond existing pump capability.

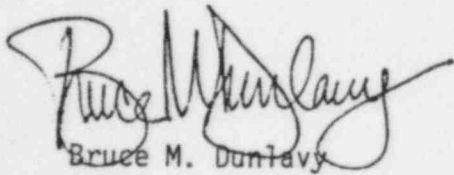
The volume of regeneration is about 30,000 gallons with one regeneration every 7-10 days. The effluent will eventually be mixed with many other

discharges and released at the facility's major outfall along with cooling tower blowdown.

The facility's monitoring station 2IB00011603 will be eliminated, with the discharge monitored at 2IB00011602 (Collection Box) and 2IB00011001 (Final Outfall).

The estimated cost of the project is \$ 25,000.

We recommend this application be approved.



Bruce M. Dunlavy



Allen L. Rupp, P.E.  
District Engineer

BMD/1st  
10/22/84



# Ohio EPA

Re: Ottawa County  
Carroll Township  
Application for Modification to Treatment of  
Water Plant Regeneration Wastewater for  
Davis-Besse Nuclear Power Station  
Received October 15, 1984  
From Ms. Jennifer Scott-Wasilk

October 25, 1984

Toledo Edison Company  
300 Madison Avenue, Mail Stop 3056  
Toledo, Ohio 43652

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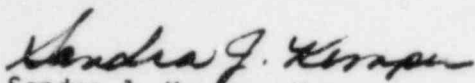
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Toledo Edison Company  
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Permits & Compliance Programs

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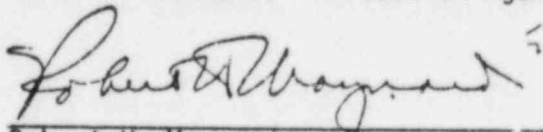
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