

MICHIGAN WATER RESOURCES COMMISSION  
AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; the "Act"), and the Michigan Water Resources Commission Act, as amended, (Act 245, Public Acts of 1929, as amended, the "Michigan Act"),

INDIANA & MICHIGAN POWER COMPANY  
Donald C. Cook Nuclear Plant  
Bridgman, Michigan

is authorized to discharge from a facility located at

Bridgman, Michigan

to receiving waters named Lake Michigan

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

This permit shall become effective on April 4, 1978.

This permit and the authorization to discharge shall expire at midnight, October 31, 1979. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Michigan Water Resources Commission no later than 180 days prior to the date of expiration.

This permit is based on the company's application numbered MI 070 0X5 2 720233, dated April 17, 1972 as amended, and shall supersede any and all Orders of Determination, Stipulation, or Final Orders of Determination previously adopted by the Michigan Water Resources Commission.

Issued this 27th day of December, 1974 and modified this 4<sup>th</sup> day of April, 1978, by the Michigan Water Resources Commission.

Robert J. Courchaine

Robert J. Courchaine  
Executive Secretary

ATTACHMENT 2  
TO  
AEP:NRC:0170A

8004150

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## PART I

## A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

## 1. Initial Effluent Limitations

During the period beginning \_\_\_\_\_ on the date of issuance and lasting until June 30, 1977, the permittee is authorized to discharge condenser cooling water, steam generator blowdown, and boiler blowdown from outfalls 001, 002, and 003. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations (NL = no limit)				Monitoring Requirement	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
<u>Total Effluent</u>						
Flow M <sup>3</sup> /Day (MGD)	(NL)	(NL)	(NL)	(NL)	Daily	
Temperature (°F)						
Intake	(NL)	(NL)	(NL)	(NL)	Daily	Continuous
Discharge	(NL)	(NL)	(NL)	(NL)	Daily	Continuous
					Report	monthly average daily maximum

The combined discharge shall not increase the temperature of Lake Michigan at the edge of a mixing zone equivalent to 570 acres (a defined area equivalent to that of a circle of radius of 2811 feet) more than 30°F above the existing natural temperature or above the following monthly maximum temperature: ..

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	45	45	45	55	60	70	80	80	80	65	60	50	Three grab samples equally spaced during each treatment
Chlorine *(total residual)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	0.5 mg/l <sup>1</sup>	5 X Weekly			Calculation
Heat Addition (BTU/Hr.)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	15.5 X 10 <sup>9</sup>		Daily		Visual
Oil and Grease	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)	(NL)		Daily		

\* Measured by Amperometric titration techniques or other method of equal or better accuracy.

<sup>1</sup>The permittee may demonstrate to the commission that higher concentrations of chlorine are acceptable.

Boiler Blowdown and Steam Generator Blowdown - prior to mixing with cooling water and discharge to 001, 002, & 003.

Flow M <sup>3</sup> /Day (MGD)	(NL)	(NL)	(NL)	(NL)	Per occurrence	
Total Suspended Solids	(NL)	(NL)	30 mg/l	100 mg/l	Per occurrence	Grab
pH	(NL)	(NL)	6.5 (min)	to 10.5	Per occurrence	Grab
Total Iron	(NL)	(NL)	(NL)	(NL)	Monthly	Grab
Total Copper	(NL)	(NL)	(NL)	(NL)	Monthly	Grab

a. The pH shall be monitored as follows: condenser cooling - Weekly; grab

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

## 1. Initial Effluent Limitations (continued)

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken intake - prior to entering the plant; discharge - prior to discharging to Lake Michigan. Boiler blowdown - prior to mixing with cooling water.

e. The Company shall perform studies on the areal extent of the thermal plume resulting from its condenser water discharges. Said study shall commence no later than 120 days after issuance of this permit or when unit reaches 75% of rated load, whichever is later, and shall be conducted for a period of one year. The study plan shall be approved by the Chief Engineer and be designed to study conditions experienced during the four seasons of the year.

f. An alternate monitoring program approved by the Chief Engineer of the Michigan Water Resources Commission may be substituted for the above monitoring requirements for chlorine.

## 2. Final Effluent Limitations

During the period beginning July 1, 1977 and lasting until the expiration of this permit, the permittee is authorized to discharge condenser cooling water, steam generator blowdown, and boiler blowdown from outfalls 001, 002, and 003. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations (NL = no limit)				Monitoring Requirements	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
<u>Total Effluent</u>						
Flow M <sup>3</sup> /Day (MGD)	(NL)	(NL)	(NL)	(NL)	Daily	
Temperature (°F)						
Intake	(NL)	(NL)	(NL)	(NL)	Daily	Continuous
Discharge	(NL)	(NL)	(NL)	(NL)	Daily Report	Continuous monthly average daily maximum

The discharge shall not increase the temperature of Lake Michigan at the edge of a mixing zone equivalent to 570 acres (a defined area equivalent to that of a circle of radius of 2811 feet) more than 30°F above the existing natural temperature or above the following monthly maximum temperature:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
45	45	45	55	60	70	80	80	80	65	60	50

Chlorine *(total residual)	(NL)	(NL)	0.2 mg/l**	0.4 mg/l**	5 X Weekly	Three grab samples equally spaced during each treatment
Heat Addition (BTU/Hr.)	(NL)	(NL)	(NL)	15.5 X 10 <sup>9</sup>	Daily	Calculation
Oil Grease	(NL)	(NL)	(NL)	(NL)	Daily	Visual

\*Measured by mercurimetric titration techniques or other method of equal or better accuracy. Total time of application shall be minimized to the lowest time needed to prevent condenser biofouling and in no instance shall the time of chlorination exceed 1 hour per unit in any 24-hour period nor shall both units be chlorinated simultaneously.

\*\* The amount of chlorine applied shall be limited to the minimum amount needed to prevent condenser biofouling and in no instance shall the concentration at the condenser outlet exceed the stated limit. Samples to be taken at condenser outlet.

Boiler Blowdown and Steam Generator Blowdown - prior to mixing with cooling water and discharged to 001, 002, and 003.

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
Flow, M <sup>3</sup> /Day (MGD)	(NL)	(NL)	(NL)	(NL)	Per Occurrence	Grab
Total Suspended Solids	(NL)	(NL)	30 mg/l	100 mg/l	Per Occurrence	Grab
pH	(NL)	(NL)	6.5 (min) to 10.5		Per Occurrence	Grab
Total Iron	(NL)	(NL)	(NL)	1.0 mg/l	Monthly	Grab
Total Copper	(NL)	(NL)	(NL)	1.0 mg/l	Monthly	Grab

a. The pH shall be monitored as follows: condenser cooling - weekly; grab

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken intake - prior to entering the plant; discharge - prior to discharging to Lake Michigan. Boiler blowdown - prior to mixing with cooling water.

e. An alternate monitoring program approved by the Chief of the Water Quality Division may be substituted for the above monitoring requirements for chlorine.

### 3. Chlorine Minimization Studies

The permittee shall continue to keep abreast of developments in condenser biofouling control technology to minimize chlorine application time and concentrations at this facility.

### 4. Groundwater Limitations

During the period beginning on the date of issuance of this permit and lasting until the expiration date of this permit, the permittee is authorized to discharge process wastes and sanitary wastes to the groundwater. Such discharges shall be monitored by the permittee as specified below:

Process wastes shall be disposed of into the ground in such a manner and by means of such facilities and at such location that they shall not injuriously affect public health, welfare, or commercial, industrial, domestic, agricultural, recreational, or other uses of the underground waters.



Monitoring requirements for boiler water treatment systems process water (water softener, clarifiers, make-up demineralizers) and boiler cleaning water prior to discharge into the ground.

<u>PARAMETER TO BE MEASURED</u>	<u>FREQUENCY</u>	<u>TYPE OF SAMPLE</u>
Flow	Continuous	
pH	Continuous	Daily maximum, minimum
Cadmium	At times of boiler cleaning water discharge	Grab
Oil & Grease	Weekly	Grab
Sulfate (SO <sub>4</sub> )	At all times when regeneration of ion exchange resins occurs	24-hour composite
Chloride (Cl)	Weekly	24-hour composite
Total phosphorus (P)	Weekly	24-hour composite
Chemical oxygen demand	Weekly	24-hour composite
Total dissolved solids	At all times when regeneration of ion exchange resins occurs	24-hour composite

Monitoring requirements for sanitary <sup>005</sup>wastewaters prior to discharge into the ground:

<u>PARAMETER TO BE MEASURED</u>	<u>FREQUENCY</u>	<u>REPORT</u>
Flow	Continuous	
State which seepage area is being utilized	List when seepage areas are alternated	List beginning and ending date and time of use of each seepage area

Monitoring requirements for groundwater collected in monitoring wells:

<u>PARAMETER TO BE MEASURED</u>	<u>FREQUENCY</u>	<u>TYPE OF SAMPLE</u>
Record static water elevation	Quarterly	Reading at time of sampling
pH	Quarterly	Grab
Total chromium (Cr)	Quarterly	Grab
Copper (Cu)	Quarterly	Grab
Sulfate (SO <sub>4</sub> )	Quarterly	Grab
Chloride (Cl)	Quarterly	Grab
Hardness	Quarterly	Grab
Nitrate-nitrogen as N	Quarterly	Grab
Sodium (Na)	Quarterly	Grab
Polychlorinated biphenyls	Quarterly	Grab
Chemical oxygen demand	Quarterly	Grab
Boron (B)	Quarterly	Grab
Total Phosphorus (P)	Quarterly	Grab
Total Dissolved solids	Quarterly	Grab
Cadmium (Cd)	Quarterly	Grab
Oil & Grease	Quarterly	Grab

#### Final Effluent Limitations

Beginning the date of issuance and lasting until the expiration date of this permit; the permittee shall collect and remove debris accumulated on intake trash bars and screens and dispose of such material on land in an appropriate manner.





## PART I

## B. MONITORING AND REPORTING

## 1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

## 2. Reporting

The permittee shall submit monitoring reports containing results obtained during the previous month and shall be postmarked no later than the 10th day of the month following each completed report period. The first report shall be submitted within 90 days of the date of issuance of this permit.

## 3. Definitions

a. The daily average discharge is defined as the total discharge by weight, or concentration if specified, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. When less than daily sampling is required, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

b. The daily maximum discharge means the total discharge by weight, or concentration if specified, during any calendar day.

c. The Regional Administrator is defined as the Region V Administrator, U.S. EPA, located at 230 South Dearborn, 13th Floor, Chicago, Illinois 60604.

d. The Michigan Water Resources Commission is located in the Stevens T. Mason Building. The mailing address is Box 30028, Lansing, Michigan 48909.

## 4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

## 5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;
- d. the analytical techniques or methods used; and
- e. The results of all required analyses.



## 6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Monthly Operating Report. Such increased frequency shall also be indicated.

## 7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the Michigan Water Resources Commission.

## 8. Cooling Water Intakes

The permittee shall submit to the Chief of the Water Quality Division, Department of Natural Resources a detailed study plan and time schedule for conducting environmental monitoring to determine the effects of the cooling water intake and obtain his approval thereof on or before March 1, 1975. The studies shall be adequate to show that the existing cooling water intake design, location, construction, and capacity reflects the best technology available for minimizing adverse environmental impact in accordance with Section 316(b), Public Law 92-500. The study shall be completed and the report thereon submitted on or before January 1, 1977.

If on the basis of the study report the Commission determines a need to require modification of the intake structure, it will so notify the Company and the Company shall, within ninety (90) days of the date of such notification, submit to the Chief Engineer its plan and construction time schedule for minimizing the environmental impact of the intake structure and receive his approval thereof.

## C. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations for thermal discharges specified for outfalls 001, 002, and 003 in accordance with the following schedule:

- a. On January 1, 1977, the permittee presented a demonstration under Section 316(a) of the Act that the existing and proposed thermal discharges are adequate to assure the protection and propagation of a balanced, indigenous population of shellfish, fish and wildlife in and on the body of water into which the discharge is to be made.
- b. ~~On May 26, 1977, the Michigan Water Resources Commission approved the permittee's demonstration pursuant to Section 316(a) of the Act that the existing and proposed thermal discharges do assure the protection and propagation of a balanced indigenous population of shellfish, fish and wildlife in and on Lake Michigan.~~

2. As part of the approval by the Commission, the permittee is required to comply with the following schedule:

- Chief letter from State  
Submitting  
Plan approved Jan 18, 1978  
Permit Back to State*
- a. The Company shall perform studies on the areal extent of the combined thermal plume or plumes resulting from the thermal discharges (Unit 1 and Unit 2). Said study shall commence when both units are operating at a minimum of 75% rated power. A study plan shall be submitted by December 1, 1977 and approved by the Chief of the Water Quality Division. The study shall be conducted for a period of one year and study conditions experienced during the four seasons of the year.

The final report shall be submitted within 4 months after completion of the study.

- b. The Company shall perform studies in the vicinity of the discharge plume to determine the effects of the two thermal discharges on fish densities. Said study shall be conducted after both units are operating at a minimum of 75% rated power and shall determine the effects of the thermal discharges on carp densities and resultant changes in other species as a result of two unit operation. A study plan shall be submitted by December 1, 1977 and approved by the Chief of the Water Quality Division. The final report shall be submitted within 18 months of the starting date.
- c. The Company shall analyze the total pre and post operational fisheries data base using appropriate statistical techniques. This analysis should include the data collected following Unit 2 start up. This analysis shall be included in the final report to be submitted as required in Section I.C.2.b. above.
- d. Should the studies conducted pursuant to I.C.2.a. and I.C.2.b. above indicate a need for modification, this permit shall be modified in accordance with Section II.B.4 herein to require a program through which the Company shall modify its discharge to minimize the adverse impact.

3. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

4. If the Company elects to demonstrate to the Michigan Water Resources Commission that higher concentrations of chlorine are acceptable, it shall, on or before March 31, 1977 submit a study plan for determining safe levels of total residual chlorine in its discharges and obtain approval thereof by the Chief of the Water Quality Division. Said plan shall be implemented upon approval and shall be completed with a period not to exceed 15 months from the date of approval. A progress report shall be submitted 7 months after implementation.

Following completion of the study, a report thereon shall be made to the Chief of the Water Quality Division not later than 3 months following completion of the study along with a time schedule for designing and completing the control facilities needed to meet safe total residual chlorine levels determined by the approved study.



5. On or before December 31, 1978, the permittee shall submit to the Chief of the Water Quality Division a report of feasibility of, and justification for, applying the latest developments in biofouling control technology to minimize the chlorine application time and concentration.

## A. MANAGEMENT REQUIREMENTS.

## 1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

## 2. Containment Facilities

The permittee shall provide approved facilities for containment of any accidental losses of concentrated solutions, acids, alkalies, salts, oils, or other polluting materials in accordance with the requirements of the Michigan Water Resources Commission Rules, Part 5.

## 3. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Michigan Water Resources Commission, as required by Section 6a of the Michigan Act.

## 4. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

## 5. Spill Notification

The permittee shall immediately report any spill or loss of any product, by-product, intermediate product, oils, solvents, waste material, or any other polluting substance which occurs to the surface or groundwaters of the state by calling the Department of Natural Resources 24 hour Emergency Response telephone number (517) 373-7660; and, the permittee shall within ten (10) days of the spill or loss provide the State with a full written explanation as to the cause and discovery of the spill or loss, clean up and recovery measures taken, preventative measures to be taken, and schedule of implementation.





## 6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

## 7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

## 8. By-passing

Any diversion from or by-pass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Michigan Water Resources Commission and the Regional Administrator, in writing, of such diversion or by-pass.

## 9. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters, or the entry of toxic or harmful contaminants thereof onto the groundwaters in concentrations or amounts detrimental to the groundwater resource.

## 10. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

- a. Provide an alternative power source sufficient to operate facilities utilized by permittee to maintain compliance with the effluent limitations and conditions of this permit which provision shall be indicated in this permit by inclusion of a specific compliance date in each appropriate "Schedule of Compliance for Effluent Limitations",  
or
- b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce or otherwise control production and/or all discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

Page 3 of 4

## B. RESPONSIBILITIES

### 1. Right of Entry

The permittee shall allow the Executive Secretary of the Michigan Water Resources Commission, the Regional Administrator and/or their authorized representatives, upon the presentation of the credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

### 2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharge emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Michigan Water Resources Commission and the Regional Administrator.

### 3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act and Rule 2128 of the Water Resources Commission Rules, Part 21, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the State Water Pollution Control Agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act and Sections 7 and 10 of the Michigan Act.

### 4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully, all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

## 5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

## 6. Civil and Criminal Liability

Except as provided in permit conditions on "By-passing" (Part II, A-8) and "Power Failures" (Part II, A-10), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance,

## 7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee may be subject under Section 311 of the Act.

## 8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

## 9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining such permits or approvals from other units of government as may be required by law.

## 10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## 11. Notice to Public Utilities

It is further made a condition of this permit that the applicant give notice to public utilities in accordance with Act 53 of the Public Acts of 1974, being Sections 460.701 to 460.718 of the Michigan Compiled Laws, and comply with each of the requirements of that Act.