SECTION I G
PART A

SEE INSTRUCTIONS ON REVERSE SIDE

PERMIT NUMBER →

REQUEST FOR DISCHARGE IS
EXISTING - NEW - INCREASED USE - REISSUANCE
[ ] [X] [ ] [ ]

ITEM 1
ADDRESS OF FACILITY AND LOCATION OF DISCHARGE

A. FACILITY NAME (EXAMPLE: "XYZ ENGINE PLANT," "KENT SCHOOL," "JOHN'S CAR WASH")
TRW INC

B. TYPE OF FACILITY (EXAMPLE: "FOUNDRY," "HIGH SCHOOL," "AUTOMATIC CAR WASH")
H. D. STEERING LINKAGE MFG.

C. STREET NUMBER
902

D. STREET NAME
LYONS ROAD

E. CITY NAME
PORTLAND

US EPA RECORDS CENTER REGION 5
487769

MICH.

F. ZIP CODE
48875

G. NAME OF AUTHORIZED REPRESENTATIVE
KEITH PATTERSON

H. TITLE
IND. ENG.

I. TELEPHONE NUMBER
517 6474121

J. ADDRESS
902 LYONS ROAD

K. LOCATION OF DISCHARGE
NE ¼, NW ¼, SECTION 28, TOWN 6N, RANGE 5W

L. TOWNSHIP
PORTLAND

M. COUNTY
REFER TO TABLE I
CO. NAME IONIA CO. NUMBER 34

N. POLLUTION INCIDENT PREVENTION PLAN
DATE SUBMITTED 4/15/81
[X] YES [ ] NO DATE IMPLEMENTED 7/6/81

O. BACK-UP POWER SOURCE
[ ] YES [X] NO [ ] N.A.

P. STANDARD INDUSTRIAL CLASSIFICATION
REFER TO TABLE II
3714

Q. NO. OF PEOPLE THIS FACILITY SERVES
350

R. TYPE OF DISPOSAL FACILITY
REFER TO TABLE III
02 06 17

ITEM 2
LOCAL UNIT OF GOVERNMENT

A. NAME OF AUTHORIZED REPRESENTATIVE FOR LOCAL UNIT OF GOVERNMENT

B. TITLE

C. NAME OF LOCAL UNIT OF GOVERNMENT

D. STREET ADDRESS OR P.O. BOX

E. CITY NAME

F. ZIP CODE

SIGNATURE OF APPLICANT
Keith Patterson
TITLE Ind. Eng. DATE 4-17-81

SIGNATURE OF LOCAL GOVERNMENTAL REPRESENTATIVE
TITLE DATE

SECTION II G
PART A

PERMIT NUMBER

INSTRUCTIONS
REVERSE SIDE

ITEM 1

EXPECTED WASTE-WATER CHARACTERISTIC

UNITS CODE
1 Mg/l
2 Ug/l
3 Counts/100 ml
4 S.U.

A. DISCHARGE SCHEDULE (YEARLY AVERAGE)	HOURS/DAY 24 DAY/YEAR 260
B. DISCHARGE VOLUME FLOW RATE IN GALLONS PER DAY	MINIMUM 3000 G.P.D. AVERAGE 6500 G.P.D. MAXIMUM 1300 G.P.D.
C. LAND APPLICATION RATE (IF APPLICABLE)	. INCHES/WEEK
D. EXPECTED DISCHARGE CHARACTERISTIC	

POLLUTANT NAME	CONCENTRATION	UNITS CODE
pH	7.8	4
SUS SOLIDS	20.	1
O&G	12.	1
	.	

ITEM 2

WATER TREATMENT ADDITIVES

A. DO YOU USE WATER TREATMENT ADDITIVES? (IF NO, CONTINUE TO PART B)	[X] YES [ ] NO
B. NAME AND CHEMICAL COMPOSITION OF THESE ADDITIVES.	Mitco: A52, LB74, CW728L, 21L Alken Murry: Treatment B, Treatment C
C. NAME AND ADDRESS OF MANUFACTURERS OF THESE ADDITIVES.	Mitco, Inc. 1601 Steele Ave.,S.W. Grand Rapids, MI Alken Murry Inc. 111 5th Avenue New York, NY

D. EXPECTED DISCHARGE CONCENTRATION OF ADDITIVES

ADDITIVE NAME	MINIMUM	UNITS CODE	AVERAGE	UNITS CODE	MAXIMUM	UNITS CODE
Mitco A52 3 gal/wk						
Mitco LB74 0.6 qts/wk						
Alken Murry Trmt C 0.9 lbs/wk						

E. DO YOU TREAT THE DISCHARGE TO REMOVE ADDITIVES?	[X] YES [ ] NO
F. WHAT IS THE REMOVAL EFFICIENCY See attached sheet.	
ADDITIVE NAME	% REMOVAL
ADDITIVE NAME	% REMOVAL
ADDITIVE NAME	% REMOVAL

TRW, INC GROUNDWATER DISCHARGE PERMIT APPLICATION

SECTION II G PART A Item 2D, continued

Additive Name

Alken Murry Trmt B	0.75 lbs/wk
Mitco CW728L	18 gal/wk
Mitco 21L	6 gal/wk

While there is no specific treatment being done to remove these additives, a significant quantity will be removed during the normal treatment process.

SECTION II G
PART B

PERMIT NUMBER →

INSTRUCTIONS
REVERSE SIDE

ITEM 1

CRITICAL MATERIALS STORED • HANDLED • PRODUCED • AND/OR DISCHARGED

MATERIAL 1	A. NAME OF CRITICAL MATERIAL	Zinc
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	0 2 - 7
	C. AMOUNT USED, STORED, AND/OR PRODUCED	2 3 5 POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[X] YES [ ] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	0 . 0 5 Mg/l
MATERIAL 2	A. NAME OF CRITICAL MATERIAL	Xylene
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	0 1 3 3 0 2 0 7
	C. AMOUNT USED, STORED, AND/OR PRODUCED	2 4 0 0 POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[ ] YES [X] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	. Mg/l
MATERIAL 3	A. NAME OF CRITICAL MATERIAL	
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	
	C. AMOUNT USED, STORED, AND/OR PRODUCED	POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[ ] YES [ ] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	. Mg/l
MATERIAL 4	A. NAME OF CRITICAL MATERIAL	
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	
	C. AMOUNT USED, STORED, AND/OR PRODUCED	POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[ ] YES [ ] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	. Mg/l
MATERIAL 5	A. NAME OF CRITICAL MATERIAL	
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	
	C. AMOUNT USED, STORED, AND/OR PRODUCED	POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[ ] YES [ ] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	. Mg/l
MATERIAL 6	A. NAME OF CRITICAL MATERIAL	
	B. PARAMETER NUMBER (REFER TO TABLES IV & V)	
	C. AMOUNT USED, STORED, AND/OR PRODUCED	POUNDS/YEAR
	D. IS THIS MATERIAL SUSPECTED IN DISCHARGE?	[ ] YES [ ] NO
	E. WHAT IS EXPECTED CONCENTRATION IN DISCHARGE?	. Mg/l

INSTRUCTIONS
REVERSE SIDE

SECTION II G
PART C

PERMIT NUMBER →

ITEM 1 OTHER TOXICS IN DISCHARGE	A. DO YOU DISCHARGE ANY OTHER TOXIC OR INJURIOUS SUBSTANCES NOT LISTED IN TABLES IV & V? (IF NO, CONTINUE TO ITEM 2)	☐ YES ☒ NO
UNITS CODE 1 Mg/l 2 Ug/l 3 PPM	B. SUBSTANCES IN DISCHARGE POLLUTANT NAME	CONCENTRATION / UNITS CODE
ITEM 2 RESIDUALS SLUDGES AND RESIDUES	A. ARE SLUDGES, RESIDUES OR CRITICAL MATERIALS PRODUCED AS A RESULT OF TREATMENT OR CONTROL OF THIS WASTEWATER DISCHARGE?	☒ YES ☐ NO
UNITS CODE 1 POUNDS 2 GALLONS 3 CUBIC YARDS 4 TONS	B. PHYSICAL CHARACTERISTICS PHYSICAL STATE	LIQUID
	% SOLID	0.1 %
	TYPE OF LIQUID	OIL AND WATER
	% LIQUID	99.9 %
	C. RESIDUE WAS PRODUCED BY	SKIM PROCESS WATER
	D. AMOUNT OF RESIDUE PRODUCED	AMOUNT: 18000 / UNITS: 2 /YEAR
	E. INDICATE TYPE OF STORAGE	UNDERGROUND TANK
	F. DO YOU DISPOSE OF RESIDUE YOURSELF? (IF NO, CONTINUE TO H)	☐ YES ☒ NO
	TYPE OF DISPOSAL SITE	
	G. GIVE NAME(S) AND ADDRESS(ES) OF ALL PUBLIC/PRIVATE LANDFILL(S) OR LAND APPLICATION SITES WHERE YOU DISPOSE OF RESIDUE.	
	H. GIVE NAME(S) AND ADDRESS(ES) OF COMMERCIAL WASTE OR REFUSE HAULER(S) WHO REMOVE RESIDUE.	Michigan Petroleum 13650 Helen Street Detroit, MI 48212

INSTRUCTIONS REVERSE SIDE

SECTION II G PART C

PERMIT NUMBER

ITEM 1 OTHER TOXICS IN DISCHARGE

UNITS CODE
1 Mg/l
2 Ug/l
3 PPM

A. DO YOU DISCHARGE ANY OTHER TOXIC OR INJURIOUS SUBSTANCES NOT LISTED IN TABLES IV & V?

(IF NO, CONTINUE TO ITEM 2)

☐ YES ☐ NO

B. SUBSTANCES IN DISCHARGE

POLLUTANT NAME	CONCENTRATION	UNITS CODE
	.	
	.	
	.	
	.	

ITEM 2 RESIDUALS SLUDGES AND RESIDUES

UNITS CODE
1 POUNDS
2 GALLONS
3 CUBIC YARDS
4 TONS

A. ARE SLUDGES, RESIDUES OR CRITICAL MATERIALS PRODUCED AS A RESULT OF TREATMENT OR CONTROL OF THIS WASTEWATER DISCHARGE?

☒ YES ☐ NO

B. PHYSICAL CHARACTERISTICS

PHYSICAL STATE	SLUDGE
% SOLID	3.0%
TYPE OF LIQUID	WATER
% LIQUID	97.0%

C. RESIDUE WAS PRODUCED BY: FECL3 PRECIPITATE

D. AMOUNT OF RESIDUE PRODUCED: AMOUNT 26000 UNITS 2 /YEAR

E. INDICATE TYPE OF STORAGE: PUMPED TO POND

F. DO YOU DISPOSE OF RESIDUE YOURSELF? (IF NO, CONTINUE TO H)

☒ YES ☐ NO

TYPE OF DISPOSAL SITE: DEWATERING POND

G. GIVE NAME(S) AND ADDRESS(ES) OF ALL PUBLIC/PRIVATE LANDFILL(S) OR LAND APPLICATION SITES WHERE YOU DISPOSE OF RESIDUE.

H. GIVE NAME(S) AND ADDRESS(ES) OF COMMERCIAL WASTE OR REFUSE HAULER(S) WHO REMOVE RESIDUE.

TRW, INC.
Portland, Michigan
GROUNDWATER DISCHARGE PERMIT APPLICATION

ADDITIONAL INFORMATION

A pilot study is presently underway to determine the best method of mechanically dewatering the sludge produced at this facility. It is proposed that the sludge be dewatered followed by disposal in a landfill rather than dewatering in the pond as is now the case. Recent laboratory analysis of the sludge has indicated that it is suitable for disposal in a general refuse sanitary landfill.