

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1395



February 14, 2003

AEP:NRC:2401-05
10 CFR 50.4

Docket Nos: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
NON-PCB TRANSFORMER OIL SPILL
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND
GROUNDWATER DISCHARGE AUTHORIZATION NOTIFICATION

Indiana Michigan Power Company is the holder of National Pollutant Discharge Elimination System (NPDES) permit MI0005827 and Groundwater Discharge Authorization (GDA) M00988 for the Donald C. Cook Nuclear Plant (CNP). Section 3.2 of Part II of Appendix B (Environmental Technical Specifications) to Facility Operating Licenses DPR-58 and DPR-74 requires violations of the NPDES Permit to be reported to the Nuclear Regulatory Commission (NRC) by submittal of copies of the reports required by the NPDES Permit.

In a letter dated February 3, 2003, the Michigan Department of Environmental Quality (MDEQ) was notified of a spill of approximately 20 gallons of Univolt 60 mineral non-PCB transformer oil. The oil spill occurred during work activities associated with the replacement of the Unit 1 main transformer. Notification was provided to the MDEQ per Part II, Section C.7 of the NPDES Permit and Part II, Section C.7 of the GDA. In accordance with the Environmental Technical Specifications, a copy of the report is being provided to the NRC as an attachment to this letter.

This letter contains no new commitments.

IE 23

Should you have any questions or concerns regarding this notification, please contact John P. Carlson, Environmental Manager, at (269) 465-5901, extension 1153.

Sincerely,

A handwritten signature in black ink, appearing to read "S. A. Greenlee". The signature is stylized with a large, prominent loop at the end.

S. A. Greenlee
Director of Nuclear Technical Services

BWO/jen

attachment

c: K. D. Curry - AEP Ft. Wayne, w/o attachment
J. E. Dyer - NRC Region III
J. T. King - MPSC, w/o attachment
MDEQ - DW & RPD, w/o attachment
NRC Resident Inspector
J. F. Stang, Jr. - NRC Washington, DC

ATTACHMENT TO AEP:NRC:2401-05

NOTIFICATION TO MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Plant
Bridgman, MI 49106
616 465 5901



Mr. Greg Danneffel, District Supervisor
Michigan Department of Environmental Quality
Surface Water Quality Division
7953 Adobe Road
Kalamazoo, Michigan 49009

February 3, 2003

Dear Mr. Danneffel:

Subject: Donald C. Cook Nuclear Plant
NPDES Permit No. MI 0005827

Donald C. Cook Nuclear Plant
Groundwater Discharge Authorization M 00988

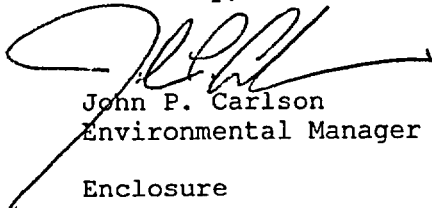
This notification is made pursuant to Cook Nuclear Plant's NPDES Permit MI 0005827, Part II. Section C. 7, Spill Notification.

This notification is made pursuant to Cook Nuclear Groundwater Discharge Authorization M 00988, Part II. Section A. 7, Spill Notification.

On January 24, 2003 at 1500 hrs, an estimated 20 gallons of non-PCB transformer oil was released to the ground during transformer replacement. Workers were removing an instrument from the spare Reserve Feed Auxiliary Transformer (RATS) when approximately 20 gallons of Univolt 60 mineral oil spilled to a containment berm and to the ground adjacent to the containment berm. An isolation valve for the instrument was thought to be closed when in fact it was not. When the workers unscrewed the instrument from its location, it popped off into the hands of one of the workers. The oil sprayed out the valve with some of it landing inside the containment and some spraying beyond it to the frozen ground. The valve was closed, stopping the oil release. Plant personnel were dispatched to contain and clean up the spill. The oil contaminated sand and gravel was collected and will be properly disposed. This spill does not pose a threat to the environment, public health or safety. Work crews have been briefed to employ self-checking behaviors when working on oil containing equipment.

Should you have any questions, please contact me at (616) 465-5901 extension 1153.

Sincerely,



John P. Carlson
Environmental Manager

Enclosure

c: Mr. Steve Busch, MDEQ - Kalamazoo
USNRC per Appendix B. T.S. Page 2

2003-123

Mr. Greg Danneffel

February 3, 2003

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Re: Cook Nuclear Plant

NPDES Permit No. MI 0005827

Groundwater Discharge Authorization M 00988

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this and all attached documents; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



J.E. Pollock

Senior Vice President

COOK CHEMICAL CONTROL PERMIT

Page 1

Product Name : UNIVOLT 60
Manufacturer : EXXON CORPORATION

Chemical Permit Number : 0638
Major Function Category: OIL
General Permit [X]
Specific Permit []
ME Numbers :
Intended Use : TRANSFORMER OIL

Revision Number : 02
Revision Date : 08/18/00
Expiration Date : 08/31/05

[Handwritten signature]

Approved Use Category(ies):
[X] Category II (Green)

NFPA Label (0=Low, 4=High):
F
[1]
H [1] [0] R
[]
S

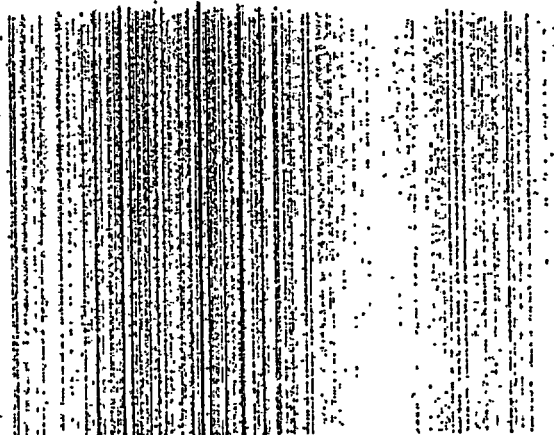
Approved User Department(s):
[X] Other: ALL DEPARTMENTS

Storage (Minimum Requirements):

Waste Disposal:
[X] Minimize waste by using all product
[X] Contact Environmental for disposal
[X] Follow waste stream no. WSMF#20 EMPTY DRUMS,
12-PMP-2160.CWM.002

Industrial Hygiene:
[X] No additional I.H. concerns, follow MSDS guidelines

Auxiliary Building Use:
[X] Only take the amount of material needed to complete the task.



GEORGIA POWER
MATERIAL SAFETY DATA SHEET

-----PRODUCT IDENTIFICATION-----

ENTERED: 05/03/88 REVISED: 06/15/95
REVISION-NO: 02

PRODUCT-NO: 849508961

NAME: UNIVOLT 60 #331830-01830

DESCRIPTION: PETROLEUM ELECTRICAL INSULATING OIL

-CLASSIFICATION- *----- SPECIFIC-USE CODES/DESCRIPTIONS -----*
(CONDITIONAL) T030 TRANSFORMER FLUID

BIBLIOGRAPHY:

COMMENTS: IRRITANT

-----VENDOR DATA-----

VENDOR-PROD-CODE:

VENDOR-NAME...: EXXON COMPANY

ADDRESS.....: P.O. BOX 2180

HOUSTON, TX

ZIP: 77252-2180

CONTACT-PERSON: CUST# 430420102

----- TELEPHONE NUMBERS -----

- * USA-TELEPHONE-NO.....: (713) 656-2443 EXT: 0000
- * EMERGENCY-USA-NO.....: (713) 656-3424 EXT: 0000
- * INTERNATIONAL-NO.....: **** SEE BOOKLET OF PRODUCT NUMBERS ****
- * EMERGENCY-INTNL-NO.....: ***** IN CATALOG NUMBER BOOKLET *****

VENDOR-TYPE: (MANUFACTURER)

STILL-IN-BUSINESS? Y (Y/N)

DATE-WENT-OUT-OF-BUSINESS: 00/00/00

COMMENTS: FAX-IT-BACK SYSTEM: HAVE 6 DIGIT EXXON PROD CODE. DIAL (800)298-4007

TECH INFO LINE: (800)443-9966

-----CHEMICAL CONSTITUENTS----- (PRODUCT-TLV/PEL)

--PERCENT-- CARCINOGEN-CODE 5 MG/M3

--CAS-- MIN MAX -CHEM-TLV/PEL-- NTP IARC OSHA

064742-53-6 HYDROTREATED LIGHT NAPHTHENIC

0.00 99.90 5MG/M3/5

000128-37-0 2,6-DI TERTIARY-BUTYL PARA-CRESOL

0.00 0.10 10MG

TRACE PROPRIETARY ADDITIVES (MIXTURES)

0.00 0.10

-----REGULATORY DATA-----

----- EPA-RCRA(40-CFR-261) -----

IGNITABLE.D001:	SELENM..D010:	LISTO-WASTE
CORROSIVE.D002:	SILVER..D011:	F#
REACTIVE..D003:	ENDRIN..D012:	U#
ARSENIC...D004:	LINDANE.D013:	F#
BARIUM...D005:	METOKYC.D014:	
CADMIUM...D006:	TOXAPHN.D015:	
CHROMIUM..D007:	2,4-D...D016:	
LEAD.....D008:	S,4,5-TP,	
MERCURY...D009:	SILVEX..D017:	

CERCLA-SUPERFUND(40-CFR-117.302)
REPORTABLE-QUANTITY:
REGLTD-UNDER-TSCA(40-CFR-710)?

OSHA-HAZARD-COMMUNICATION-REQUIREMENT(29-CFR-1910.1200)
REASON HAZARDOUS: ACUTE, CHRONIC

[REDACTED]

OTHER REGULATIONS/COMMENTS:

-----TRANSPORT/STORAGE/LABEL DATA-----

-----DOT(49-CFR-172)-----

SHIP-NAME:

HAZARD-CLASS:

DOT-ID-NUMBER:

LABELING-REQMTS:

--NFPA-704M-LABELING--

LABEL-REQUIRED?

HEALTH-RATING..... 1

FLAMMABILITY-RATING.. 1

REACTIVITY-RATING.... 0

OTHER-RATING.....

CAUTION-LABEL-REQUIRED?

DIRECTIONS-ON-LABEL-REQD?

SUGGESTED-LABEL: EMPTY CNTRS RETAIN RESIDUE (LIQ &/OR VAPOR) & CAN BE DANGROUS

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE SUCH CNTRS TO

HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OTHER SOURCES OF IGNITION: THEY MAY

EXPLODE & CAUSE INJURY/DEATH. DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS

CONTAINER-MATERIALS: DIFFICULT TO REMOVE. EMPTY DRUMS S/B COMPLETELY DRAINED,

PROPERLY BUNGED & PROMPTLY RETURNED TO DRUM RECONDITIONER. ALL OTHER CNTRS

SPECIAL-STORAGE-REQMTS: S/B DISPOSED OF IN ENVIRONMENTALLY SAFE MANNER & IN

ACCORDANCE W/GOVT REGULATIONS. FOR WORK ON TANKS REFER TO OSHA ANSI Z49.1 &

OTHER GOVT & INDUSTRIAL REFERENCES PERTAINING TO CLEANING, REPAIRING, WELDING

COMMENTS: OTHER CONTEMPLATED OPERATIONS. CLEANSE SKIN THOROUGHLY AFTER Contac

BEFORE BREAKS & MEALS, AT END OF WORK PERIOD. PROD READILY REMOVED BY

WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY W/ SOAP & WATER

-----PHYSICAL/REACTIVE PROPERTIES-----

APPEARANCE: CLEAN WATER-WHITE

PHYS-STATE-20C: LIQUID

ODOR: MILD, BLAND PETROLEUM ODOR

PROD-A-COMPRESSED-GAS?

BOILING-POINT: ~ 238 C

VAPOR-PRESSURE: < 0.01

MM(HG) -AT 20

C

MELTING-POINT:

C

SPECIFIC-GRAVITY: .88

AT 15.6

C.

MOLECULAR-WEIGHT: ~ 255

REFRACTION-INDEX:

AT

C

% VOLATILES: NEGLIBI

WATER-SOLUBILITY: NEGLIGIBLE

(GRAMS/LT)

VAPOR-DENSITY: <5

DOES-PROD-GENERATE-HEAT-THRU-POLYMERIZATION ? N

PH: NEUTRAL

DOES-PROD-GEN-HEAT-THRU-DISSOLUTION-IN-WATER?

CORROSIVE-ACTION? ON-MATERIALS:

DECOMP-IN-AIR? DECOMP-PROD:

DECOMP-IN-WATER? DECOMP-PROD:

DECOMP-IN-HEAT? Y DECOMP-PROD: FUMES, SMOKE, SULFUR OXIDES, CO, ALDEHYDES, OTHER

DECOMP PROD IN CASE OF INCOMPLETE COMBUSTION

DECOMP-IN-OXIDZR? DECOMP-PROD:

INCOMPATIB: STRONG OXIDANTS (I.E. LIQ CHLORINE, CONC OXYGEN, SODIUM HYPOCHLORI

INCOMPATIBILITY: TE, CALCIUM HYPOCHLORITE, ETC) AS PREVENTS SERIOUS EXPLOSION HAZ

EXTINGUISHING-AGENTS: FOAM, WATER SPRAY (FOG), DRY CHEM, CO2, VAPORIZING LIQ TYPE
EXTINGUISHING AGENTS. USE WATER TO KEEP FIRE EXPOS CNTRS COOL. IF LEAK/SPILL
HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS & PROVIDE PROTEC FOR MEN
FIRE-FIGHTING-PROCEDURES: ATTEMPTING TO STOP LEAK. MIN BREATHING OF GASES, VAPOR
FUMES, DECOMP PROD. USE SUPPLIED AIR BREATHING EQUIP FOR ENCLOSED/CONFINED
SPACES. **** DECOMP PROD: FUMES, SMOKE, CO, SULFUR OXIDES, ALDEHYDES & OTHER ****

-----TOXIC/HEALTH/PROTECTION DATA-----

PRODUCT-TOXIC-BY-INGESTION? Y

LOW ORDER OF ACUTE ORAL & DERMAL TOXICITY. MINUTE AMTS ASPIRAT INTO LUNGS
DURING INGEST/VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY/DEATH
HAZARDOUS-EFFECTS-ON-EYES? Y

PROD CONTACTING EYES MAY CAUSE IRRITATION

DOES-PRODUCT-IRRITATE-SKIN? Y

PROLONGED OR REPEATED SKIN CONTACT TENDS TO REMOVE SKIN OILS POSSIBLE
LEADING TO IRRIT & DERMATITIS; PROD NEITHER CORROSIVE OR IRRIT BY OSHA

PRODUCT-TOXIC-BY-INHALATION?

PRODUCT/CONSTITUENTS-SENSITIZING-AGENTS?

PROD DOES NOT REQUIRE CANCER HAZARD WARNING IN ACCORDANCE W/CURRENT
OSHA HAZARD COMM STANDARD CRITERIA

CAN-HAZARDOUS-AMOUNTS-OF-PROD/CONSTITUENTS-BE-ABSORBED-THRU-SKIN?

HEALTH STUDIES HAVE SHOWN MANY PETROLEUM HYDROCARBONS & SYNTHETIC LUBRIC
POSS POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON.
COMMENTS: AS PRECAUTION, EXPOSURE TO LIQ, VAPORS, MISTS OR FUMES S/B MINIMIZED

PRODUCT/CONSTITUENTS-A-SYSTEMIC-POISON?

ACUTE-OVEREXPOSURE-EFFECTS? Y

SEE PREVIOUS SCREEN

CHRONIC-OVEREXPOSURE-EFFECTS? Y

SEE PREVIOUS SCREEN

-----HAZARD RATINGS-----	EPA-PHYS/HEALTH-HAZARDS	*-----PRODUCT MIXTURE-----*
RESPIRATORY...: 0= NONE	ACUTE-HAZARD.....: Y	TLV-TWA.: 5 MG/M3
SKIN.....: 1= LOW	CHRONIC-HAZARD.....: Y	TLV-STEL:
2= MED	FIRE-HAZARD.....: Y	TLV-C...:
3= HIGH	REACTIVE-HAZARD....:	
	SUDDEN-PRSR-RELEASE:	

COMMENTS:

PERIODIC-MEDICAL-EXAMS (TESTS, FREQ, ETC.): MIN BREATHING VAPOR, MIST, FUMES. AVOID

PROLONGED/REPEATED CONTACT W/SKIN.REMOVE CONTAMIN CLOTHING;LAUNDRER OR DRY
CLEAN BEFORE REUSE.REMOVE CONTAMIN SHOES & THOROUGHLY CLEAN BEFORE REUSE.
DISCARD IF OIL-SOAKED

NORMAL-USE-PRECAUTIONS/VENTILATION: USE LOCAL EXHAUST TO CAPTURE VAPOR,MISTS
OR FUMES, IF NECESSARY.PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING
RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONC OF VAPOR IN AIR.
USE EXPLOSION PROOF EQUIP.NO SMOKING/USE OF FLAME OR OTHER IGNITION SOURCES
PROTECTIVE-EQUIPMENT: USE SUPPLIED AIR RESPIRATORY PROTEC IN CONFINED OR
ENCLOSED SPACES,IF NEEDED; USE CHEMICAL RESISTANT GLOVES,IF NEEDED,TO AVOID
PROLONGED OR REPEATED SKIN CONTACT; USE SPLASH GOGGLES OR FACESHIELD WHEN
EYE CONTACT MAY OCCUR;USE CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS
AIR-SAMPLING/ANALYSIS: CLOTHING,IF NEEDED,TO AVOID CONTAMIN REGULAR CLOTHING
WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT
KEEP CNTRS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT,SPARKS,FLAME OR
COMMENTS: STRONG OXIDANTS. IN ORDER TO PREVENT FIRE OR EXPLOSION HAZARDS,USE
APPROPRIATE EQUIP

[REDACTED]

-----SPILL & DISPOSAL DATA-----

CLEANUP-PROCEDURES

SMALL-SPILL: RECOVER FREE PROD.ADD SAND,EARTH,OTHER SUITABLE ABSORBENT TO SPILL AREA.MINIMIZE SKIN CONTACT.KEEP PROD OUT OF SEWERS & WATERCOURSES BY DIKING OR IMPOUNDING.ADVISE AUTHORITIES IF PROD HAS ENTERED OR MAY ENTER SEWERS,WATERCOURSES,EXTENSIVE LAND AREAS.ASSURE CONFORMITY W/APPLICABLE GOVERNMENTAL REGULATIONS

NO RQ FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% CARCINOGEN
LARGE-SPILL: SAME AS SMALL SPILL

PRECAUTIONS:

SPECIAL-DISPOSAL-REQUIREMENTS

COMPLY WITH ENVIRONMENTAL AFFAIRS GUIDELINES AND REGULATIONS

-----FIRST-AID DATA -----

SKIN-EXPOSURE-FIRST-AID: REMOVE ANY CONTAMIN CLOTHING & WASH W/SOAP & WATER.

LAUNDER OR DRY-CLEAN CLOTHING BEFORE REUSE. IF PRODUCT IS INJECTED INTO OR UNDER SKIN,OR INTO ANY PART OF BODY,REGARDLESS OF APPEARANCE OF WOUND OR IT SIZE,INDIV S/B EVALUATED IMMED BY PHYSICIAN AS SURGICAL EMERGENCY. EVEN

EYE-EXPOSURE-FIRST-AID: FLUSH WITH CLEAR WATER FOR 15 MIN OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL PHYSICIAN.

INHALATION-FIRST-AID: VAPOR PRESSURE VERY LOW.VAPOR INHAL UNDER AMBIENT CONDIT NORMALLY NOT PROBLEM.IF OVERCOME BY VAPOR FROM HOT PROD,IMMED REMOVE FROM EXPOSURE & CALL PHYSICIAN.IF BREATHING IRREGULAR OR HAS STOPPED,START CPR.

ADMINISTER OXYGEN,IF AVAILABLE.IF OVEREXP TO OIL MIST,REMOVE FROM FURTHER* ANTIDOTE/TREATMENT(IF SWALLOWED): DO NOT INDUCE VOMITING.CALL PHYSICIAN IMMED

COMMENTS: THOUGH INITIAL SYMPTOMS FROM HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT,EARLY SURGICAL TREATMENT WITHIN FIRST FEW HRS MAY SIGNIFICANTLY REDUCE ULTIMATE EXTENT OF INJURY

* EXPOSURE UNTIL EXCESSIVE OIL MIST CONDITION SUBSIDES

*****END OF MSDS*****

*****END OF MSDS*****