

# Notice of intent for storm water discharges associated with construction activities under a general WPDES permit: 93C049. 1995

Foth and Van Dyke and Associates, Inc. Green Bay, Wisconsin: Foth and Van Dyke, 1995

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7 N. BROWN ST., 3RD FLOOR RHINELANDER, WI 54501-3161 Jerome D. Goodrich, Jr.
PRESIDENT

August 10, 1995

Mr. Paul Luebke Wisconsin Department of Natural Resources Bureau of Wastewater Management P.O. Box 7921 Madison, WI 53707-7921

Mr. David Ballman U.S. Army Corps of Engineers St. Paul District 190 Fifth Street East St. Paul, MN 55101

Dear Mr. Luebke and Mr. Ballman:

RE: Crandon Project - Notice of Intent for Storm Water Discharges

Crandon Mining Company (CMC) is pleased to submit the attached Notice of Intent for Storm Water Discharges Associated with Construction Activities under a General WPDES Permit for its Crandon Project. The notice has been prepared in accordance with Chapter NR 216 Wis. Admin. Code and is submitted in conjunction with two additional documents related to project surface water management. The first is an application for a wastewater discharge permit. The second is a report titled "Preliminary Engineering Report for Wastewater Treatment Facilities for the Crandon Project". These latter two documents have been prepared pursuant to Chapter 147 Wis. Stat. and Chapter NR 108 Wis. Admin. Code, respectively.

The notice includes a completed and signed Wisconsin Department of Natural Resources (WDNR) Form 3400-161, an attachment and five figures providing information requested on Form 3400-161. A check in the amount of \$200.00 directed to the WDNR to cover the application fee will be provided under separate cover.

CMC is requesting that the notice be reviewed as expeditiously as possible such that permitting activities associated with the project can continue in a timely manner. If you or your staff have any questions regarding the notice, please contact me at (715) 365-1450.

Sincerely,

Jerome D. Goodrich, Jr.

President

Crandon Mining Company

JG:mld2 Attachment

Telephone: (715) 365-1451

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1	Oneida County Board of Supervisors Mr. Robert Bruso, Clerk 1 Courthouse Square, P.O. Box 400 Rhinelander, WI 54501

1	Rhinelander Public Library 106 North Stevens
	Rhinelander, WI 54501
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1	USEPA-Air Division (A18J) Mr. David Kee, Director 77 West Jackson Chicago, IL 60604-3507
1	U.S. Department of the Interior Fish and Wildlife Service Ms. Janet M. Smith, Field Supervisor Green Bay Field Office 1015 Challenger Court Green Bay, WI 54311-8331
1	U.S. Department of the Interior Bureau of Indian Affairs Mr. Robert Jaeger Branch of Natural Resources Ashland, WI 54806-0273
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	Ms. Laura Sutherland
	Public Intervenor's Office
	123 West Washington Avenue
	Madison, WI 53703
1	Wisconsin Department of Revenue
	Mr. John Eldredge
	125 South Webster
	Madison, WI 53707
1	Wisconsin Geological & Natural History Survey
	Mr. Tom Evans
	3817 Mineral Point Road, Room 108
	Madison, WI 53705
	•

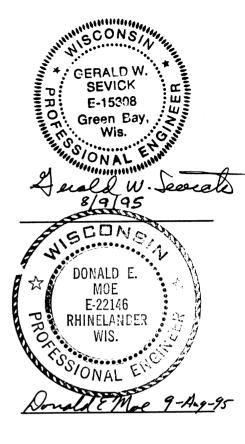
# Notice of Intent for Storm Water Discharges Associated with Construction Activities under a General WPDES Permit

93C049

Prepared for Crandon Mining Company Rhinelander, Wisconsin

Prepared by Foth & Van Dyke and Associates Inc.

August 1995



# Notice of Intent for Storm Water Discharges Associated with Construction Activities under a General WPDES Permit

# Crandon Mining Company Crandon Project

# **Contents**

Notice of In	tent	
Attachment	1	
Figure 1	-	Project Area
Figure 2	-	Site Layout
Figure 3	-	Proposed Pipeline Route for Wisconsin River Discharge
Figure 4	-	Proposed Wetland Compensation Site Location
Figure 5	-	Wetland Compensation Site Grading Plan

# State of Wisconsin Department of Natural Resources

### \$200.00 Application Fee

#### NOTICE OF INTENT

For Storm Water Discharges Associated With Construction Activities Under a General WPDES Permit

Form 3400-161

11-04

This form is authorized by s. 147.025, Wis. Stats. Submittal of a completed form to the Department is mandatory for any owner of a construction site storm water discharge who must apply for a permit in accordance with 40 CFR Part 122, Chapter 147, Wis. Stats., and Chapter NR 216, Wis. Adm. Code. Failure to submit a completed form to the Department at least 14 working days prior to the date on which construction is scheduled to commence may result in fines not to exceed \$10,000 per day, pursuant to s. 147.21(2), Wis. Stats. Personally identifiable information on this form may be used for other water quality program purposes.

Submission of this NOTICE OF INTENT constitutes notice that the party identified in Section I of this form intends to be authorized by a general WPDES permit issued for storm water discharges associated with construction activity in the State of Wisconsin. Becoming a permittee obligates such discharges to comply with the terms and conditions of the general permit. An erosion control plan and storm water management plan meeting the requirements of Chapter NR 216, Wis. Adm. Code, must be completed before filing this NOTICE OF INTENT.

ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.			
SECTION I: OWNER/OPERATOR INFORMATION			
Name	Contact Person		
Crandon Mining Company	Donald Moe, P.E.		
Mailing Address 7 North Brown Street 3rd Floor	Tide Technical/Permitting Manager		
City, State, Zip Code	Telephone Number		
Rhinelander WI 54501-3161	(715) 365–1450		
SECTION II: CONTRACTOR INFORMATION (when known)			
Name Contractor Not Vot Solostod	Contact Person		
Contractor Not Yet Selected  Mailing Address	Title		
City, State, Zip Code	Telephone Number		
SECTION III: CONSTRUCTION SITE INFORMATION			
Site Name: Crandon Mining Company	County: Forest		
Location Address:	City of D Township of, or D Village of Lincoln/Nashville		
Mailing Address: 7 North Brown St. 3rd Floor			
City: Rhinelander	State: WI Zip Code: 54501-3161		
Quarter Quarter Quarter: SW Section:  Is this site wholly contained on the above quarter quarter section? (Y or  *Use more space if needed to describe site location see Item 1			
Total Area of Construction Site: (see Item 2 of Acres  Attachment 1)  Percent of Site Impervious: (including rooftops)  Before Construct	Total Estimated Disturbed Area: (see Item 2 of Acres Attachment 1)		
Type of Construction (check all that apply):			
Residential Commercial	Industrial Reconstruction		
Utility Transportation (if applicable	truction of wastewater discharge pipeline and		
X Other (describe) Mining project including cons wetland compensation site.	cruction of wastewater discharge piperine and		
Does your construction site's storm water discharge to: (check all that a	ipply)		
Storm drain system - infiltrates to groundwater			
Storm drain system to surface water - enter system owner's name	and receiving waters:		
<ul> <li>X Directly or indirectly to waters of the state - enter name of river,</li> <li>X Infiltration to groundwater occurs on site</li> </ul>	lake, wetland: See Item 4 of Attachment 1		
Has the storm water discharge leaving the site been sampled and analyze	ed for pollutants? (Y or N): X - discharges have not yet begun		

Continued On Reverse

SECTION IV: ADDITIONAL INFORMATION		
Project Start Date: (see Item 5 of Attachment 1)	Project End Date	(see Item 5 of Attachment 1)
Identify proposed management practices to reduce pollutants in storm   X	age Goes to Infiltration Ar	• • • •
Has a Construction Site Erosion Control Plan and Storm Water Manage	gement Plan been con	apleted for this site in conformance with the "Wisconsin
Construction Site Best Management Practices Handbook*? (Y or (see Item 6 of Attachment 1)  Is the Construction Site Erosion Control Plan and Storm Water Management (Y or N) not If Y, please list the name of the local agency: applicable	gement Plan in compl	ance with Local Sediment and Erosion Controls?
Do you have an existing WPDES permit? (Y or N) NO If Y, p	olease list (Se	e Item 8 of Attachment 1)
Is your construction site located in a county, city, village or town with erosion control at commercial building sites? (Y or N) No	an ordinance in effec	t prior to January 1, 1994, that establishes standards for
If Yes to the above, has your construction site received erosion control NOTICE OF INTENT pursuant to s. NR 216.43(4), Wis. Adm. Contame and title of the reviewer:	•	If Yes, please specify the date of the review and the
SECTION V: CERTIFICATION		
"I certify under penalty of law that this document and attachments we designed to assure that qualified personnel properly gather and evaluate manage the system, or those persons directly responsible for gathering belief, true, accurate, and complete. I am aware that there are significant imprisonment. In addition, I certify that the provisions of the personner and storm water management plan, will be complied with."	ite the information sul g the information, the cant penalties for sub-	omitted. Based on my inquiry of the person, or persons, who information submitted is, to the best of my knowledge and nitting false information, including the possibility of fine
Owner/Operator Printed Name	Title President	Telephone Number
Jerome D. Goodrich, Jr.  Owner Operator Gignstone  Owner Operator Gign	Dan Simed	(715) 365-1450
Please complete if Notice of Intent is prepared by a consulta	nt or someone oth	er than an employee of the site Owner/Operator
Preparer Printed Name	Fim	
Gerald W. Sevick, P.E.	Foth & Var	Dyke
Mailing Address  P. O. Poy. 10012	Title	
P.O. Box 19012 City, State, Zip Code	Vice Presi	dent
Green Bay WI 54307-9012	(414) 497-	2500
Signature of Preparer  Surala W. Severale	Date Signed 8/9/	

Submit via certified or registered mail with \$200.00 application fee (unless exempt) to:

Wisconsin Department of Natural Resources
Bureau of Wastewater Management
Construction Site Storm Water Management Program
P.O. Box 7921
Madison, WI 53707-7921

LEAVE BLANK - DNR USE ONLY	
Date Received.	
Application Complete? (Y/N)	
Construction Site ID #	

#### Attachment 1

# Notice of Intent for Storm Water Discharges Associated with Construction Activities under a General WPDES Permit

# Crandon Mining Company Crandon Project

#### **ITEM 1: SITE LOCATION ADDRESS**

The site includes the following areas which will be disturbed during construction:

- Project site, which includes the following;
  - site access road,
  - plant site,
  - tailings management area (TMA),
  - tailings pipeline/access road and drain down sump,
  - railroad spur,
  - potable water supply well,
  - Skunk Lake mitigation well.
- A 38.3 mile wastewater discharge pipeline corridor to the Wisconsin River, and
- Wetland compensation site.

These areas are shown on the attached Figures 1, through 5

#### ITEM 2: AREA OF CONSTRUCTION SITE AND TOTAL ESTIMATED DISTURBED AREA

The total area of the project site which may be disturbed is approximately 550 acres. Of this area, the plant site and TMA will encompass approximately 128 and 355 acres, respectively. The remaining 67 acres of the disturbed area will include the site access road corridor, railroad spur, and TMA access road. In addition, during construction of the wastewater pipeline to the Wisconsin River a narrow corridor on either side of the pipeline will be disturbed. It is estimated that this narrow corridor will have an area of less than 100 acres. The proposed pipeline route is shown on Figure 2. An approximate 57 acre area will be disturbed as part of the construction of the project's planned wetland mitigation site.

#### ITEM 3: PERCENT OF SITE IMPERVIOUS AFTER CONSTRUCTION

Areas which will be impervious after construction will be located at the plant site and TMA as shown on Figures 1 and 2 and will include the following.

- The paved portion of the site access road.
- At the plant site:
  - the pre-production ore storage area;
  - the concentrator building;

- the service building;
- the wastewater treatment facilities building;
- other smaller buildings on the plant site;
- the tailings pipeline ditch on the plant site;
- wastewater storage basins 5, 6 and 7; and
- the two discharge lagoons.
- At the TMA and tailings pipeline/access road:
  - the TMA cells;
  - the reclaim pond;
  - the tailings pipeline ditch; and
  - the drain down sump (Basin 4).

The total percentage impervious after construction for each of these areas will be as follows:

			% Impervious	Approximate Acres Impervious
•	Site Access Road (paved portion)	=	100	9
•	Plant site	=	55	<b>7</b> 0
•	TMA and Tailings Pipeline/Access Road	. =	30*	107

<sup>\*</sup>Based on construction of TMA cell 1 during initial project construction.

No new impervious areas are anticipated along the wastewater discharge pipeline corridor or at the wetland mitigation site.

#### ITEM 4: DISCHARGES DIRECTLY OR INDIRECTLY TO WATERS OF THE STATE

Construction runoff at the project site which will discharge to surface waters include the following point source discharge outfalls from basins to be constructed by CMC. The locations of the basins and point source discharge outfalls are shown on Figure 2.

Runoff Drainage Area	Routed to Basin Number	Discharged to Outfall Number <sup>1</sup>
Plant site - southwest area	1	001
Plant site - southeast area	2	002
Plant site - construction material storage area	3	003
Tailings pipeline ditch/access road	4	004²
Plant site - pre-production ore storage area	5	$005^{2}$
Plant site - central area	6	$006^{2}$
TMA site - southwest area	8	008

Runoff Drainage Area	Routed to Basin Number	Discharged to Outfall Number <sup>1</sup>
TMA site - southern area	9	009
TMA site - northwest area	10	010
TMA site - northern area	11	011
TMA site - eastern area	12	012

Outfall 007 will consist of wastewaters generated during operation of the mine and mill, and will not include construction runoff. A separate WPDES permit application using USEPA Form 1 and Form 2D has been submitted to the Wisconsin Department of Natural Resources (WDNR) for discharges generated during operation of the mine and mill. Refer to this application for information concerning the discharge from outfall 007.

These outfalls will only be active during a portion of the project's construction period. Once contact water generation commences, discharges from basin numbers 4, 5 and 6 will be directed to the project's wastewater treatment system and then discharged through outfall 007.

Plant site surface water drainage discharges will occur during construction and operations from basins located downstream from the plant site and the tailings management area. Runoff from disturbed areas will be routed through runoff basins that will discharge to natural drainage ways located within the Little Sand Lake (outfalls 001, 002 and 004), Swamp Creek (outfalls 003, 005 and 006), Duck Lake (outfalls 008 and 010), Deep Hole Lake (outfall 009), or Hemlock Creek (outfall 012) drainage basins. Outfall 011 will discharge to a wetland which has no outlet.

Construction runoff will also discharge to surface water drainage basins along the wastewater discharge pipeline corridor to the Wisconsin River. Those basins along the pipeline route that may receive runoff during pipeline construction are shown on Figure 3.

Construction runoff generated at the wetland compensation site will be discharged to the north/south ditch shown on Figure 5. The north/south ditch ultimately discharges to Duchess Creek located to the southwest of the site (Figure 4).

# ITEM 5: PROJECT START DATE AND PROJECT END DATE

Project construction will commence after the issuance of the required permits from state and Federal agencies, currently expected in late summer 1997. Initial project construction will occur for approximately 36 months. Initial project construction includes development of the underground mine, construction of the plant site, site access road, TMA cell 1, the reclaim pond, the tailings pipeline/access road, the railroad spur, the wastewater discharge pipeline to the Wisconsin River, and the wetland compensation site. Additional project construction will occur in subsequent years during construction of TMA cells 2, 3 and 4. Final project construction activities will take place during site reclamation, which is projected to occur over a four year period starting in year 31 after initial project permits are issued.

#### ITEM 6: SITE EROSION CONTROL PLAN AND STORM WATER MANAGEMENT PLAN

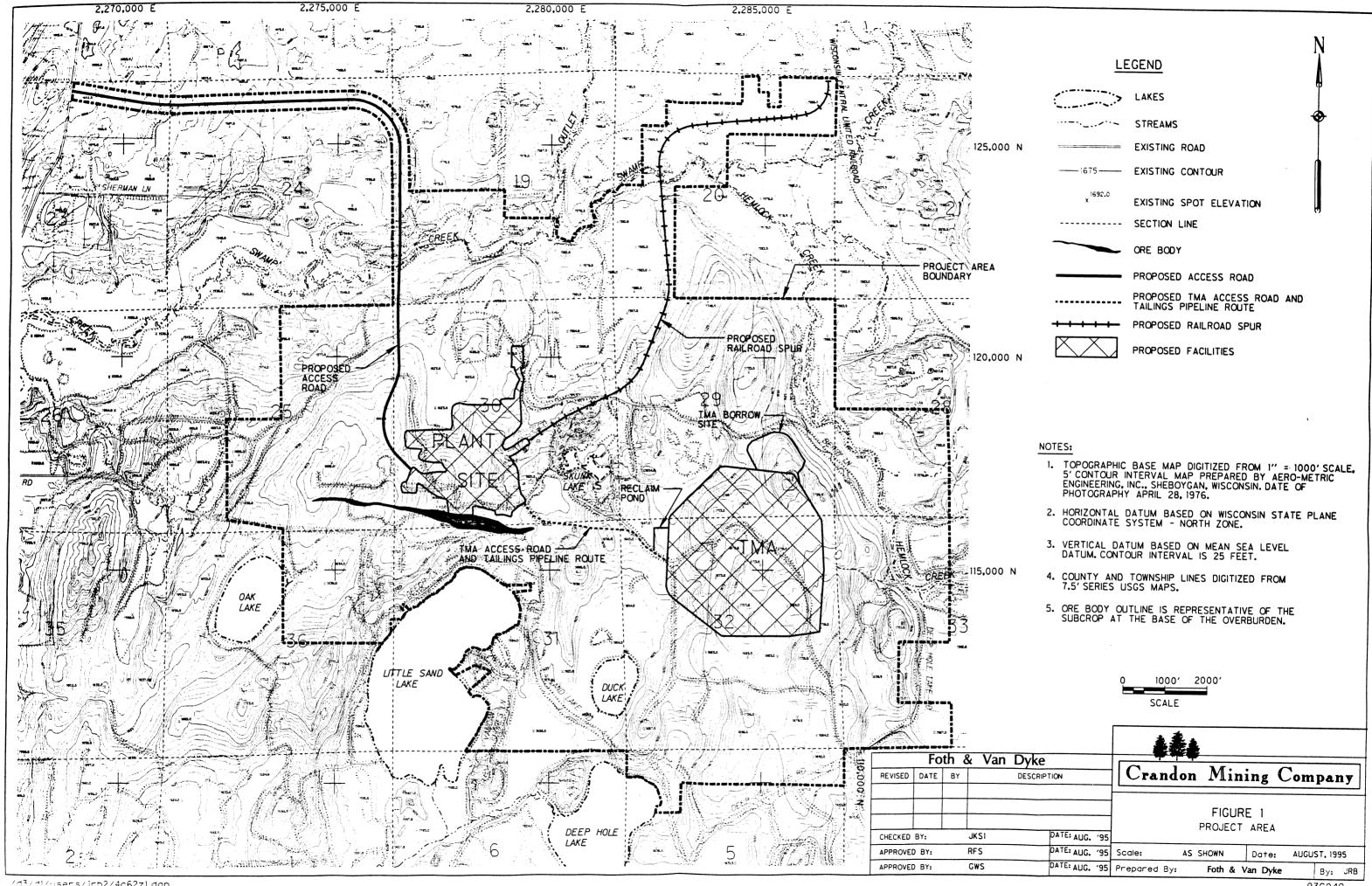
Information concerning CMC's plans for controlling erosion during construction are included in the May, 1995 *Mine Permit Application* previously submitted by CMC to the WDNR. Information concerning site surface water controls during construction, operation, and closure are also included in the *Mine Permit Application*. The information included in the *Mine Permit Application* concerning erosion control and site surface water control meets the requirements of Subchapter III of NR 216 for a Construction Site Erosion Control Plan and a Storm Water Management Plan.

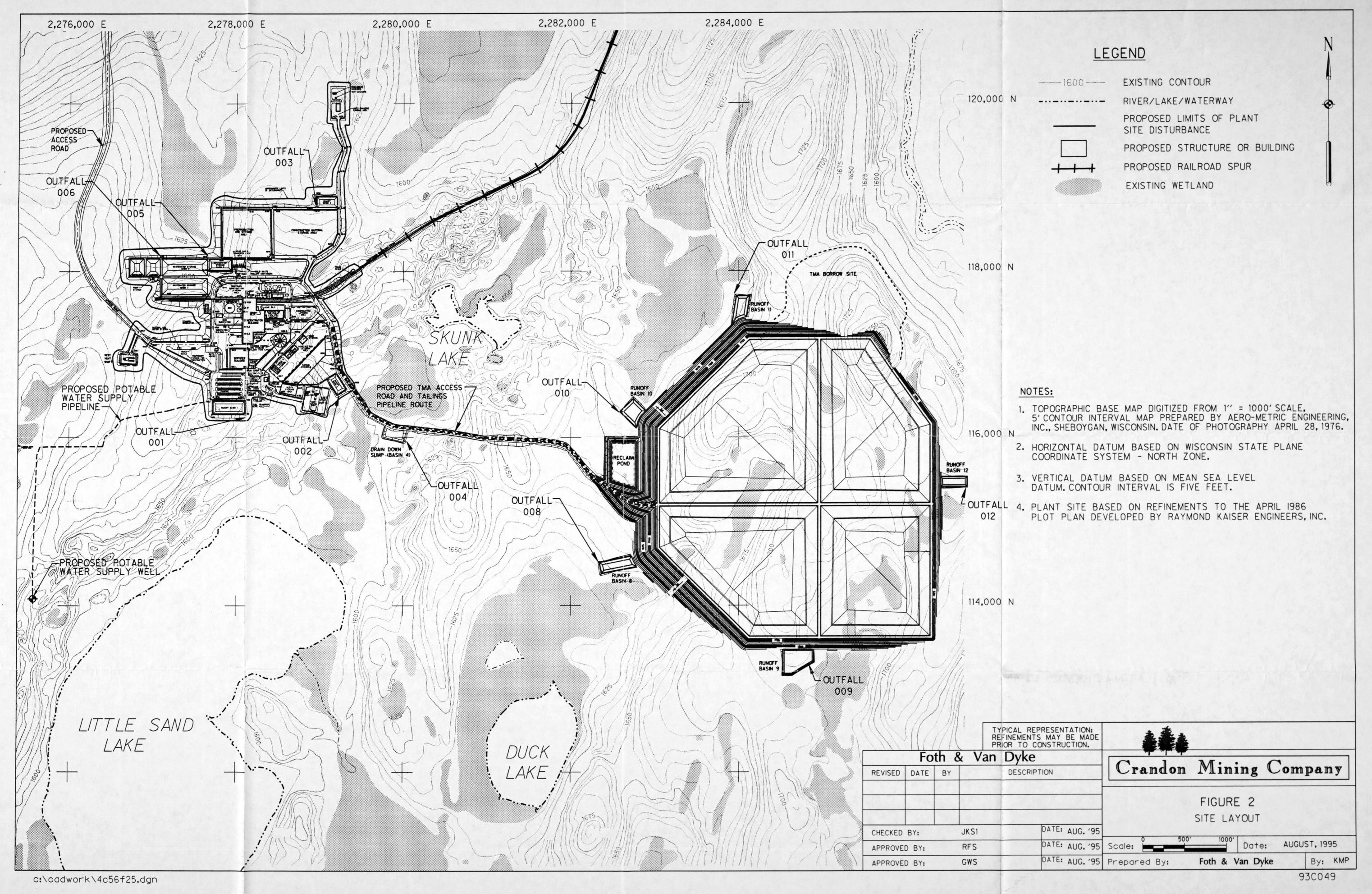
#### ITEM 7: COMPLIANCE WITH LOCAL SEDIMENT AND EROSION CONTROLS

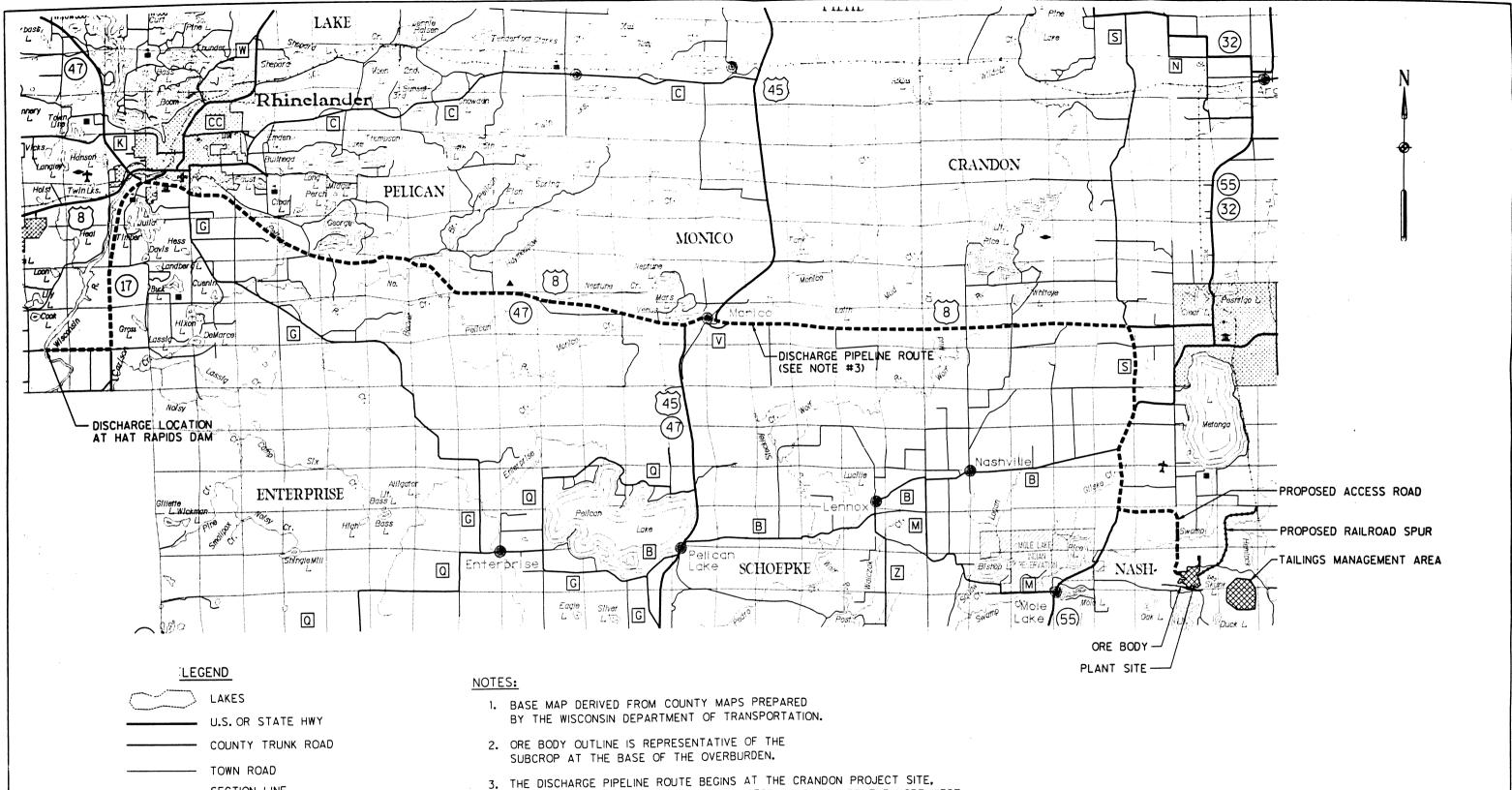
Crandon Mining Company is not aware of any local requirements concerning sediment and erosion controls which would be applicable to construction activities for this project.

#### **ITEM 8: WPDES PERMIT**

In addition to this Notice of Intent for Storm Water Discharges Associated with Construction Activities Under a General WPDES Permit, Crandon Mining Company has made separate application to the Wisconsin DNR for a WPDES permit for a new discharge to the Wisconsin River via a new outfall 007. The discharge would occur during operation of the facility and would not include construction runoff.







SECTION LINE

CORPORATE LIMITS

8 U.S. HWY NO.

STATE HWY NO.

COUNTY HIGHWAY LETTER

PROPOSED WASTEWATER PIPELINE

FOLLOWS THE PROPOSED PLANT SITE ACCESS ROAD TOWARD THE NORTHWEST TO STATE TRUNK HIGHWAY (STH) 55, APPROXIMATELY 1/2 MILE SOUTH OF AIRPORT ROAD, THEN NORTH ON STH 55 TO COUNTY TRUNK HIGHWAY (CTH) S, THEN NORTH ON CTH S TO U.S. ROUTE (USR) 8, THEN WEST ON USR 8 TO STH 17. FROM THE INTERSECTION OF USR 8 AND STH 17, THE ROUTE FOLLOWS STH 17 SOUTH TO HAT RAPIDS ROAD AND THEN WEST ON HAT RAPIDS ROAD TO THE HAT RAPIDS DAM.

TYPICAL REPRESENTATION: REFINEMENTS MAY BE MADE PRIOR TO CONSTRUCTION.  Foth & Van Dyke					\$ 4 \$ ·
REVISED	DATE	BY	DES	SCRIPTION	Crandon Mining Company
					FIGURE 3
					PROPOSED PIPELINE ROUTE FOR
CHECKED	BY:		JKS1	DATE: AUG. '95	
APPROVED	BY:		RFS	DATE: AUG. '95	Scale: 0 6000' 12,000' Date: AUGUST, 395
APPROVED	BY:		GWS	DATE: AUG. '95	Prepared By: Foth & Van Dyke By: ARJ

