

INSPECTION REPORT

Inspection Entry Date/Time	10/25/2023 12:39 PM (CT)	Announced: Yes	
Inspection Exit Date/Time	10/25/2023 03:05 PM (CT)	Access: Granted	
Weather	Overcast 59°F (rained overnight)		
Media	Water		
Statute(s)/Program(s)	Clean Water Act, NPDES, Industrial		
Type of Inspection	Compliance Evaluation Inspection (CEI)		
Permittee Name	Menominee Indian Tribe of Wisconsin		
Facility or Site Name	Menominee Tribal Enterprises Sawmill		
Facility/Site Physical Address	Hwy 47 North, P.O. Box 10		
City, State, Zip Code	Neopit, WI 54150		
County	Menominee		
Facility GPS Coordinates	44.982138, -88.82985		
FRS ID	110010885453		
Permit Number(s) (If Applicable)	WI0046868		
SIC and/or NAICS	SIC 2421/NAICS 32113		
Regulatory Representatives Participating in Inspection:			
Title	Name	Organization	
Inspector	Ray Cullen	EPA REGION 5	
Lead Inspector:			
Dean Maraldo	[Signature] DINO MARALDO Digitally signed by DINO MARALDO Date: 2023.11.15 17:17:10 -06'00'		
	EPA REGION 5	Maraldo.Dean@epa.gov	(312) 353-2098
Supervisor Review:			
Ryan Bahr	[Signature] RYAN BAHR Digitally signed by RYAN BAHR Date: 2023.11.17 17:14:28 -06'00'		
	EPA REGION 5	bahr.ryan@epa.gov	

SECTION I – INTRODUCTION**Site Entry and Inspection Objectives**

I, EPA Region 5 Lead Inspector, Dean Maraldo, arrived at the Menominee Tribal Enterprises Sawmill (the “Facility” or “MTE”), located at Hwy 47 North, Neopit, WI 54150, at 12:39 PM (CT) on October 25, 2023, for an announced inspection. I was joined by EPA inspector Ray Cullen. We presented our EPA inspector credentials to Raymond Fish (Safety Coordinator) and informed them that this was an EPA inspection to determine compliance as authorized by Clean Water Act (CWA) Section 308 and implementing regulations. This report is based on information supplied by Facility representatives, direct observations made by the EPA inspectors, records and reports maintained by the Facility and other information including: photographs taken by EPA inspectors, physical evidence collected by the EPA inspectors, measurements taken by EPA inspectors, verbal or written statements made by Facility representatives during or subsequent to the on-site inspection, and materials, processes, data, photographs, or documents shown, demonstrated, or submitted to the EPA inspectors by Facility representatives during or subsequent to the on-site inspection. In addition, information gathered prior to or subsequent to the inspection from a review of EPA and/or public records may be included in this report.

Attendees

Organization	Attendee Name	Title	Present in Opening Conf.	Present in Closing Conf.
EPA Region 5	Dean Maraldo	Lead Inspector	Yes	Yes
EPA Region 5	Ray Cullen	Inspector	Yes	Yes
Menominee Tribal Enterprises	Raymond Fish	Safety Coordinator	Yes	Yes

Facility/Site Description

We began the opening conference in Raymond Fish’s office and reviewed the Facility description provided in the Facility’s NPDES Permit, as follows:

The existing facility is a timber processing facility which produces rough sawn and planed lumber from logs harvested from the Menominee Indian Reservation.

Processes include wet decking, mechanical barking, sawing, edging, planing, machining, and drying. The following outfalls are covered under this permit:

001- Boiler blowdown discharge to the West Branch of the Wolf River

002- Stormwater discharge to the West Branch of the Wolf River

003- Wet decking discharge to the Neopit Mill Pond

Mr. Fish confirmed that the permit description and outfall receiving waters were accurate.

Facility/Site Information

Next, I asked some background questions. Mr. Fish provided the responses in the table below.

Industrial Sector/Sub-sector?	Confirmed SIC code 2421 (Sawmills and Planing Mills, General) as included in NPDES permit application
Is the process discharge a batch, continuous or combination?	001 (boiler blowdown): intermittent flow; 002 (stormwater) discharged this week with rain; 003 (wet decking): in warm weather (May-Sep) sprinkler on logs then water flows to river, not occurring now. Sprinklers help to preserve wood in warm in conditions.
Are you required to report flow? If yes, how is it measured?	Yes, Outfalls 1/3: use pail method (permit allows for estimated flow measurement)
Have the principal products or production rates changed?	No, Facility has been operating this way for "a hundred years"
Is property owned or leased?	Owned by the Tribe. MTE President reports to the Chairperson
Number of employees?	About 90; another 100 in forestry department offsite
Shifts/Hours of Operations?	6am-2:30 pm M-F, weekends off
Have there been or are there plans to make changes in the process(es) that will cause a new, different, or increased discharge?	Bureau of Indian Affairs will build a new dam; no changes to current water management
Do you self-monitor and keep monitoring records?	Yes, keep records more than 3 years
Outfalls (and do the numbers and locations match the permit?)	3, and yes
Size of Facility?	40 acres
What are the raw materials used?	Timber (make rough lumber)
Type of Operation?	Sawmill (saw, grade, and dry til, then planing mill)
What is the principal product generated?	Rough lumber
Responsible official verified	Raymond Fish
Do you use in-house or contract out for laboratory analyses?	Use laboratory, Pace Analytical - Green Bay

Inspection Focus Areas and Locations

Location/Area/Sub-area	Description
Interview	Safety Coordinator's Office
Records/Reporting	
Self Monitoring	
Operations and Maintenance ("O&M")	
Minimize Exposure (Non-numeric Technology-based Effluent Limits)	
Good Housekeeping (Non-numeric Technology-based Effluent Limits)	

Maintenance (Non-numeric Technology-based Effluent Limits)	
Spill Prevention (Non-numeric Technology-based Effluent Limits)	
Employee Training (Non-numeric Technology-based Effluent Limits)	
Stormwater Pollution Prevention Plan ("SWPPP")	
Stormwater Inspections and Monitoring	
Physical Inspection	Outdoor areas throughout Facility
Close out Conference	Safety Coordinator's Office

SECTION II – OBSERVATIONS

The Facility was represented only by Raymond Fish, who provided all the responses to the interview questions below.

Location: Interview/Records/Reporting	
Observation #: DM1-OB-001	Date: 10/25/2023
I asked Raymond Fish if records and reports were maintained for at least 3 years? He replied "Yes". I then showed Mr. Fish the list of recent NPDES permit effluent limit violations for pH (See Appendix 3 (Document Log). I asked specifically about the pH violation in April 2023, which appeared to be a reporting error (reported "<6", lower limit is "=6"). Mr. Fish said it was an issue with NetDMR. I recommended he contact NetDMR specialists at EPA to resolve the issue. I also asked why pH values are always exactly 6 or 9 for Outfall 003. Mr. Fish said this is due to another issue with NetDMR for this outfall. I provided Mr. Fish with the name of a NetDMR contact at EPA to help resolve these issues.	

Location: Interview/Self Monitoring	
Observation #: DM1-OB-002	Date: 10/25/2023
I asked the following Records/Reporting-related questions and Raymond Fish provided the responses (in bold), below: - For each outfall, where are effluent samples collected? 001: right at outfall, grab samples and measure pH the same time laboratory samples are collected 002: right at outfall 003: right at outfall - For Outfall 002, you have special requirements for reporting in DMRs: <i>Along with the results of your monitoring, you must provide in DMRs the date and duration (in hours) of the storm event(s) samples; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event samples and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge samples.</i>	

Is the above being done for Outfall 002? **No, I collect samples whenever I get the lab bottles.**

- How are samples collected at Outfall 003: **Grab samples from outfall.**
- Process for recording pH measurements from outfalls? **Record pH right away directly from outfalls.**
- pH instrument used? **Oakton pH Tester 2**
- Is it calibrated before each use? **Yes.**
- Is there a written calibration record? **No.**
- Are all grab samples cooled with ice, gel packs or refrigerated to <6°C from the time of collection until analysis including shipping time, if applicable? **Yes.**
- Do you maintain a written record of pH sample results and retain these records? **No.**

Location: Interview/O&M	
Observation #: DM1-OB-003	Date: 10/25/2023
I asked the following O&M-related questions and Raymond Fish provided the responses (in bold), below:	
• Any bypasses in last 12 months? Not really. Back in September there was breach in berm along river and "water shortcutted to the river." The breach was repaired. • Does the facility have standby power for all treatment units? Not needed, all gravity.	

Location: Interview/Minimize Exposure (Non-numeric Technology-based Effluent Limits)	
Observation #: DM1-OB-004	Date: 10/25/2023
I asked the following "Minimizing Exposure" questions and Raymond Fish provided the responses (in bold), below:	
• Are manufacturing, processing, and material storage areas exposed to rain, snow, snowmelt, and runoff located inside or protected with storm resistant coverings. Yes, all under cover or bermed. • Are you implementing any of the following measures: ▪ Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas: Yes; ▪ Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants: Yes, we have procedures to use saw dust to absorb spills and leaks; ▪ Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents: Most vehicles are stored inside. Outside machines do not use drip pans, we need to get back to doing that. ▪ Use spill/overflow protection equipment: Yes, we have waste oil kits (300-gallon drum) inside buildings. ▪ Perform all cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray. Yes, all inside. Wastewater drains to oil water separator and is disposed of offsite.	

Location: Interview/Good Housekeeping & Maintenance (Non-numeric Technology-based Effluent Limits)	
Observation #: DM1-OB-005/6	Date: 10/25/2023
I asked the following “Good Housekeeping” questions and Raymond Fish provided the responses (in bold), below: - Are all dumpsters with a lid closed when not in use. Most of the time dumpsters are kept closed. - Are salt storage piles, used for deicing or other commercial or industrial purposes, covered or enclosed in order to minimize pollutant discharges. Salt is kept inside. - Are baghouses maintained to prevent the escape of dust from the system and immediately removing any accumulated dust at the base of the exterior baghouse? We remove dust, once a year. Otherwise, the system is enclosed and not exposed to water.	

Location: Interview/Spill Prevention and Training (Non-numeric Technology-based Effluent Limits)	
Observation #: DM1-OB-007/8	Date: 10/25/2023
I asked the following Spill Prevention and Training questions, and Raymond Fish provided the responses (in bold), below: - Do you implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas to prevent the discharge of pollutants from these areas? Yes, we place universal spill kits around the Facility and supervisors call me when incidents occur. - Are staff trained on procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases? Yes, staff and supervisors are trained to conduct minor cleanups. For major cleanups, they use universal spill kits and call me. Universal spill kits around the plant, around 3-4 of them. - Are personnel trained in conducting stormwater inspections? I am the only one responsible for implementing stormwater SWPPP.	

Location: Interview/SWPPP	
Observation #: DM1-OB-009	Date: 10/25/2023
I asked Raymond Fish if the SWPPP is reviewed and updated as needed and within 90 days of the effective date of this permit? He said no and provided the Facility Spill Prevention, Control, and Countermeasure (SPCC) Plan dated, August 17, 2010 (see Appendix 3 – Document Log). I asked if there were any documents, other than the SPCC plan, regarding stormwater management at the Facility. Raymond Fish said no. I asked when the SPCC plan was last updated. He said it hasn't been updated since August 17, 2010. The Facility was required to review and update as needed, the SWPPP within 90 days of the effective date of this permit then submit to EPA, with a courtesy copy to the Menominee Indian Tribe of Wisconsin Environmental Services Department, a report within 14 days of the completion of the SWPPP indicating, a) the date the SWPPP was updated, or b) that the updated of the SWPPP was not completed, the reason for non-completion, and the anticipated completion date. Raymond Fish confirmed there is no SWPPP and thus no	

report certifying completion of the SWPPP.

I reviewed the SPCC Plan, dated August 17, 2010, to determine if the plan contained the elements required for coverage under the Permit (page I-23). Findings are provided in bold below:

- Stormwater pollution prevention team (see Part I.E.4.2.1); Not included in SPCC plan.
- Site description (see Part I.E.4.2.2); SPCC plan missing General location map including entire site and all receiving waters for stormwater discharges. Also missing a Site map showing entire property boundary, extent of impervious surfaces, direction of stormwater flow for entire site, location of stormwater controls, location of all pollution sources across the entire site, and the location of all activities exposed to precipitation.
- Summary of potential pollutant sources (see Part I.E.4.2.3); Lists of sources limited to only tanks and drums.
- Description of control measures (see Part I.E.4.2.4); Control measures limited to only tanks and drums.

Location: Interview/Stormwater Inspections and Monitoring

Observation #: DM1-OB-010

Date: 10/25/2023

I asked Raymond Fish if stormwater inspections are conducted at least quarterly and, if at least once each calendar year, a routine inspection is conducted during a period when a stormwater discharge is occurring (page I-33). Raymond Fish said stormwater inspections are conducted "sometimes, but there are no written reports."

I asked if visual assessments are conducted and documented once each quarter and if he collects a stormwater sample from each discharge point (except as noted in Part I.E.6.4) and conduct a visual assessment of each of these samples. Raymond Fish said "yes, but there are no written reports."

I asked if the Facility conducted benchmark monitoring for all parameters in Part I.E.9.2 of the permit for four quarters in your first year of permit coverage, beginning in your first full quarter of permit coverage. Raymond Fish said "no", and he was not aware of benchmark monitoring requirement.

Location: Physical Inspection

Observation #: DM1-OB-011

Date: 10/25/2023

Weather: Overcast 59°F (rained overnight)

The physical inspection of the sawmill started at 2:00 pm (CT) and concluded at 3 pm (CT). The physical inspection observations are documented in the Photo Log (Appendix 2). Observation locations are identified on the Observation Location Map (Appendix 1).

Photo(s)

1. MTES0338
2. MTES0339
3. MTES0340
4. MTES0341
5. MTES0342
6. MTES0343
7. MTES0344
8. MTES0345
9. MTES0346
10. MTES0347

11. MTES0348
 12. MTES0349
 13. MTES0350
 14. MTES0351
 15. MTES0352
 16. MTES0353
 17. MTES0354
 18. MTES0355
 19. MTES0356
 20. MTES0357
 21. MTES0358
 22. MTES0359

SECTION III – SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

No sampling was conducted by EPA.

SECTION IV - AREA OF CONCERN

Areas of Concern may not be in sequential order.

The presentation of Areas of Concern does not constitute a formal compliance determination or violation.

AOC Reference #: DM1-OB-001	Location: Interview/Records/Reporting
Regulation and/or Permit Requirement	
Permit Part I.B.1. Final Numeric Effluent Limitations	
AOC:	
- Self-reported pH violation in April 2023, appears to be a reporting error (reported "<6", lower limit is "=6"). Mr. Fish said it an issue with NetDMR. I recommended he contact NetDMR specialists at EPA to resolve the issue; - pH values are always exactly 6 or 9 for Outfall 003. Mr. Fish said this is due to another issue with NetDMR for this outfall. I provided Mr. Fish with the name of a NetDMR contact at EPA to help resolve this these issues.	

AOC Reference #: DM1-OB-002	Location: Interview/Self Monitoring
Regulation and/or Permit Requirement	
Permit Part I.B.1.b. Final Numeric Effluent Limitations	
AOC:	
For Outfall 002, the Facility has special requirements for reporting in DMRs: <i>Along with the results of your monitoring, you must provide in DMRs the date and duration (in hours) of the storm event(s) samples; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event samples and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge samples.</i> However, for Outfall 002, the Facility does not collect samples pursuant to the above requirement. Instead, samples are collected whenever bottles are provided by the lab.	

- The Facility does not maintain a written calibration record for pH;
- The Facility does not maintain a written record of pH sample results.

AOC Reference #: DM1-OB-004	Location: Interview/Minimize Exposure (Non-numeric Technology-based Effluent Limits)
Regulation and/or Permit Requirement	
Permit part I.B.2.1.d. Minimize Exposure - Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents	
AOC:	
The Facility does not use drip pans for vehicles and machines stored outside.	

AOC Reference #: DM1-OB-008	Location: Interview/Employee Training (Non-numeric Technology-based Effluent Limits)
Regulation and/or Permit Requirement	
Permit part I.B.2.8. Employee Training - You must train all employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all members of your stormwater pollution prevention team.	
AOC:	
• Only supervisors are aware of stormwater pollution prevention. Maintenance staff are not trained in stormwater pollution prevention; • Raymond Fish is the only one person responsible for and implementing the stormwater SWPPP.	

AOC Reference #: DM1-OB-009	Location: Interview/SWPPP
Regulation and/or Permit Requirement	
Permit part I.E.4. Stormwater Pollution Prevention Plan (SWPPP) - You must review and update as needed, your SWPPP for your facility within 90 days of the effective date of this permit. You shall submit to EPA, with a courtesy copy to the Menominee Indian Tribe of Wisconsin Environmental Services Department, P.O. Box 910, Keshena, Wisconsin 54135-0910, a report within 14 days of the completion of the SWPPP indicating, a) the date the SWPPP was updated, or b) that the updated of the SWPPP was not completed, the reason for non-completion, and the anticipated completion date.	
AOC:	
• The Facility did not review and update the SWPPP within 90 days of the effective date of this permit. The Facility confirmed there is no SWPPP and thus no report certifying completion of the SWPPP; • The Facility does not have a SWPPP, developed pursuant to Permit Part I.E.4. Instead, the Facility provided an SPCC plan, dated August 17, 2010.	
I reviewed the SPCC plan to determine if it met any SWPPP requirements. Review observations include:	
• Stormwater pollution prevention team description requirement not included in SPCC plan (Permit Part	

I.E.4.2.1);

- SPCC plan missing site description requirements, including a general location map showing the entire site and all receiving waters for stormwater discharges. Also missing a site map showing entire property boundary, extent of impervious surfaces, direction of stormwater flow for entire site, location of stormwater controls, location of all pollution sources across the entire site, and the location of all activities exposed to precipitation (Permit Part I.E.4.2.2);
- Summary of potential pollutant sources requirement limited only to tanks and drums (Permit Part I.E.4.2.3);
- Description of control measures requirement limited only to tanks and drums (Permit Part I.E.4.2.4).

AOC Reference #: DM1-OB-010

Location: Interview/Stormwater Inspections and Monitoring

Regulation and/or Permit Requirement

Permit part I.E.5.1.4. Stormwater Inspection Frequency - Inspections must be conducted at least quarterly. At least once each calendar year, the routine inspection must be conducted during a period when a stormwater discharge is occurring.

Permit part I.E.5.1.5. Routine Facility Inspection Documentation - You must document the findings of your facility inspections and maintain this report with your SWPPP.

Permit part I.E.6. Quarterly Visual Assessment of Stormwater Discharges - Once each quarter for the entire permit term, you must collect a stormwater sample from each discharge point and conduct a visual assessment of each of these samples.

Permit part I.E.9.1.2. Benchmark Monitoring Schedule - Benchmark monitoring of stormwater discharges is required quarterly in the first and fourth year of permit coverage.

AOC:

- The Facility does not conduct routine stormwater inspections at least quarterly and, and does not, at least once each calendar year, conduct a routine inspection during a period when a stormwater discharge is occurring (Permit part I.E.5.1.4.);
- Raymond Fish said stormwater inspections are conducted "sometimes, but there are no written reports." (Permit part I.E.5.1.5);
- The Facility conducts visual assessments once each quarter. However, there are no written reports documenting the visual assessments (Permit part I.E.6.3.);
- The Facility did not conduct benchmark monitoring for all parameters in Part I.E.9.2 of the permit for four quarters in your first year of permit coverage, beginning in your first full quarter of permit coverage. The Facility was not aware of the benchmark monitoring requirement.

AOC Reference #: DM1-OB-011	Location: Physical Inspection
Regulation and/or Permit Requirement	
Section 301 (a) of the Clean Water Act, 33 U.S.C. § 1311(a)	
AOC:	
Observed several discharges to the West Branch of the Wolf River from conveyances not covered in the Facility's NPDES permit, including discharges in the following Observation Location Areas:	
• Location 8 (see photo MTES0344) • Location 14 (see photos MTES0352, MTES0353, MTES0354, and MTES0356) • Location 16 (see photo MTES0358) • Location 17 (see photo MTES0359)	

AOC Reference #: DM1-OB-011	Location: Physical Inspection
Regulation and/or Permit Requirement	
Section 301 (a) of the Clean Water Act, 33 U.S.C. § 1311(a)	
AOC:	
Observed fresh spill staining from drum with unknown dark contents. Spill staining led to a nearby floor drain in the boiler blowdown room (see photo MTES0338 in Appendix 2 - Photo Log). The Facility's NPDES permit only authorizes the discharge of boiler blowdown from Outfall 001.	

AOC Reference #: DM1-OB-011	Location: Physical Inspection
Regulation and/or Permit Requirement	
Permit part I.B.2.3.a. Maintenance Activities - You must maintain all control measures that are used to achieve the effluent limits in this permit in effective operating condition, as well as all industrial equipment and systems, in order to minimize pollutant discharges. This includes: i. Performing inspections and preventive maintenance of stormwater drainage, source controls, treatment systems, and plant equipment and systems that could fail and result in contamination of stormwater; iv. Cleaning catch basins when the depth of debris reaches two-thirds (2/3) of the sump depth and keeping the debris surface at least six inches below the lowest outlet pipe.	
AOC:	
• Stormwater control measures were not maintained to minimize pollutant discharges, including: ▪ Damage to stormwater catch basin inlet cage in Location 11 (see photo MTES0349 in Appendix 2 – Photo Log); ▪ Stormwater inlet grates partially filled and blocked by debris in Location 12 (see photo MTES0350 in Appendix 2 – Photo Log); ▪ Hay bales separated or offset, allowing stormwater discharges to pass without treatment in Locations 14 and 15 (see photos MTES0355 and MTES0356 in Appendix 2 – Photo Log).	

SECTION V – CLOSING CONFERENCE

Closing Conference

We held the closing conference with Raymond Fish in his office at 02:55 PM (CT) on October 25, 2023. During the closing conference, I discussed the observations and preliminary Areas of Concern identified during the inspection. Observations and Areas of Concern have not yet been evaluated for a formal compliance determination. I also discussed the timing for completing the inspection report. Before concluding the inspection, I asked if there were any questions. Mr. Fish had no questions, and we departed the Facility at 3:05 pm (CT) on October 25, 2023.

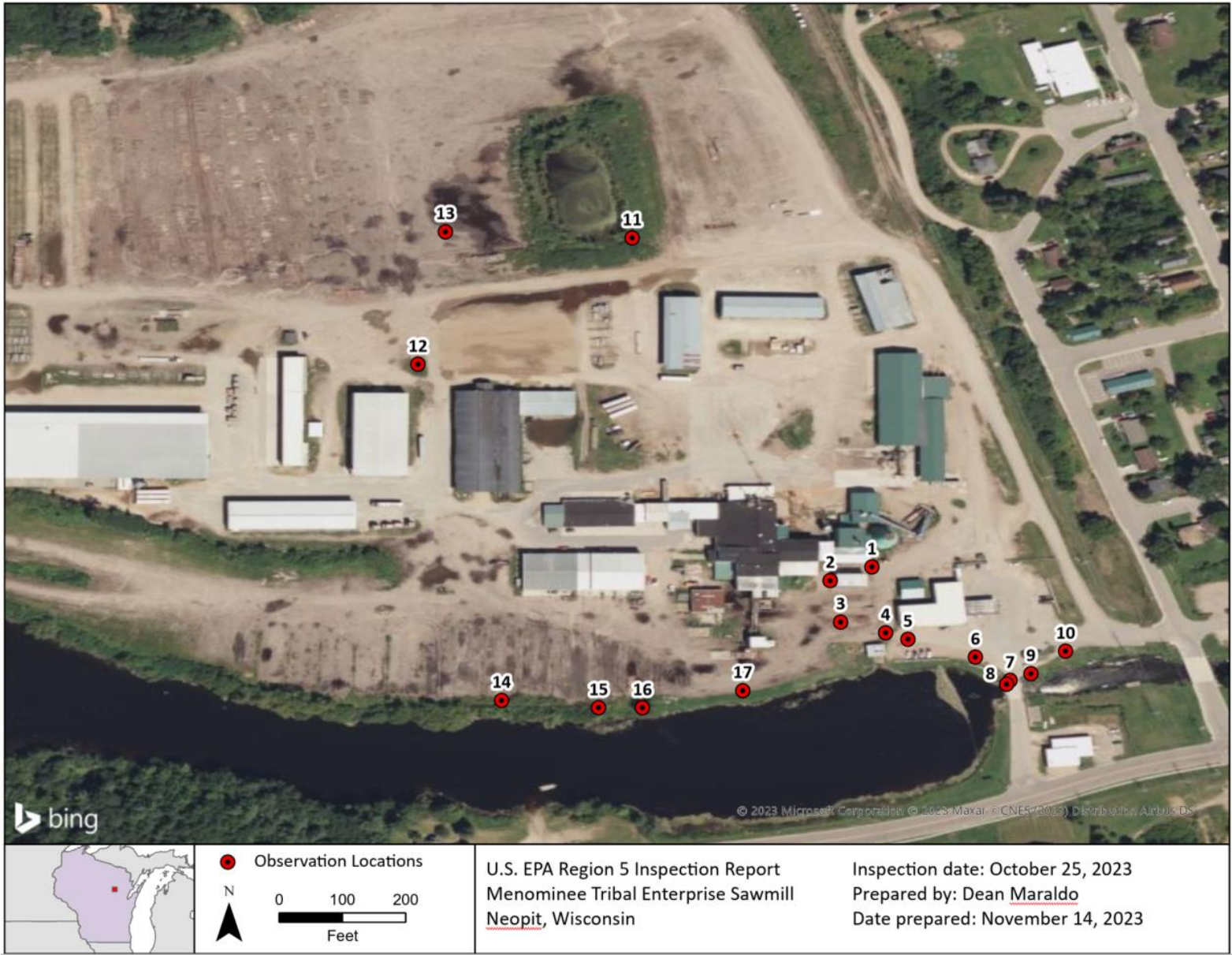
Communication Log

No additional information was requested or received by EPA Region 5 after exiting the Facility on October 25, 2023.

SECTION VI – LIST OF APPENDICES

1. Observation Location Map
2. Photo Log
3. Document Log

APPENDIX 2: OBSERVATION LOCATION MAP



APPENDIX 2: PHOTO LOG



Floor Drain in Boiler Blowdown Room.			MTES0338.JPG
10/25/2023 02:03 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 1 on Observation Location Map.			44.98189166, -88.83002666
Observed fresh spill staining from drum with unknown contents.			



Bark staging area.			MTES0339.JPG
10/25/2023 02:05 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 2 on Observation Location Map.			44.981808, -88.830282
Trucks pull up to this area to load bark.			



Runoff from Bark Pile area.			MTES0340.JPG
10/25/2023 02:05 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 3 on Observation Location Map.			44.981555, -88.83021833
Observed runoff from Bark Pile area flowing toward parking lot.			



Continuation of runoff from Bark Pile area.			MTES0341.JPG
10/25/2023 02:06 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 4 on Observation Location Map.			44.98149, -88.829943
Runoff from Bark Pile area flowing toward parking lot.			



Continuation of runoff from Bark Pile area into parking lot.			MTES0342.JPG
10/25/2023 02:09 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 5 on Observation Location Map.			44.98145, -88.82980666
Observed runoff from Bark Pile area flowing across parking lot. Observed turbid flow with sheen. I asked Mr. Fish if he could measure pH in the flow. He measured a pH of 8.2 SU.			



Continuation of runoff from Bark Pile area from parking lot toward the West Branch of the Wolf River.			MTES0343.JPG
10/25/2023 02:12 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 6 on Observation Location Map.			44.981338, -88.829395
Observed runoff from Bark Pile area flowing toward bridge over the West Branch of the Wolf River.			



Runoff from Bark Pile area flowing onto a bridge and into the West Branch of the Wolf River.			MTES0344.JPG
10/25/2023 02:13 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 7 on Observation Location Map.			44.981201, -88.829184
Runoff from Bark Pile area flowing across the bridge and into the West Branch of the Wolf River. Note turbidity and sheen in the runoff.			



Runoff from Bark Pile area flowing over the side of the bridge and into the West Branch of the Wolf River.			MTES0345.JPG
10/25/2023 02:14 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 8 on Observation Location Map.			44.981174, -88.829204
Runoff from Bark Pile area flowing over the bridge and into the West Branch of the Wolf River. Note turbidity and sheen in the runoff.			



Outfall 001 to the West Branch of the Wolf River.			MTES0346.JPG
10/25/2023 02:15 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 9 on Observation Location Map.			44.98112333, -88.82917666
Outfall 001 (red arrow) discharges boiler blowdown water immediately east of the bridge referenced in the photos above. River flows from right to left through the bridge culvert.			



Outfall 002 to the West Branch of the Wolf River.			MTES0347.JPG
10/25/2023 02:16 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 10 on Observation Location Map.			44.98137833, -88.828845
Outfall 002 (red arrow) discharges stormwater into the West Branch of the Wolf River. River flows toward another bridge (top of image) east of the bridge referenced in the photos above.			



View of Log yard stormwater pond and caged inlet.			MTES0348.JPG
10/25/2023 02:23 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 11 on Observation Location Map. Log yard			44.983896, -88.831491
View of Log yard stormwater pond (through brush at top of photo) and caged stormwater inlet (bottom right of photo).			



Caged stormwater inlet.			MTES0349.JPG
10/25/2023 02:23 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 11 on Observation Location Map. Log yard			44.983896, -88.831491
Note damage to catch basin inlet cage.			



Stormwater inlet.			MTES0350.JPG
10/25/2023 02:26 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 12 on Observation Location Map.			Log yard, location approximate
Note stormwater inlet grates (red arrow) partially filled and blocked by debris.			



Log yard.			MTES0351.JPG
10/25/2023 02:30 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 13 on Observation Location Map.			44.983933, -88.83263



Runoff from log decking area.			MTES0352.JPG
10/25/2023 02:35 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 14 on Observation Location Map.			44.981078, -88.832287
Observed runoff from log decking/staging area. Note, turbid discharge.			



Runoff from log decking/staging.			MTES0353.JPG
10/25/2023 02:36 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 14 on Observation Location Map.			44.981078, -88.832287
Observed runoff from log decking/staging area flowing through hay bales and into the West Branch of the Wolf River.			



View of runoff from log decking/staging flowing to the West Branch of the Wolf River.			MTES0354.JPG
10/25/2023 02:38 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 14 on Observation Location Map.			44.98107833, -88.83228666
The West Branch of the Wolf River is at the top of the photo and the runoff from log decking/staging can be seen at the bottom left of the photo until obscured by vegetation. Raymond Fish said this was a new stormwater discharge to the river and not Outfall 003. Mr. Fish measured the pH of the discharge (8.2 SU).			



Outfall 003 discharge from wet decking area.			MTES0355.JPG
10/25/2023 02:41 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 15 on Observation Location Map.			44.98103333, -88.831695
Note, hay bales seperated, allowing discharge to pass without treatment. The West Branch of the Wolf River is visible in the upper part of the photo.			



Hay bale structure at Location 14.			MTES0356.JPG
10/25/2023 02:42 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 14 on Observation Location Map.			44.98108, -88.832095
I returned to the Location 14 (runoff from log decking/staging) to document the condition of the hay bales. Note, the hay bales are offset allowing water to flow past without treatment. Once past the bales, the discharge flows a short distance to the West Branch of the Wolf River (top of photo).			



Runoff from wet decking area.			MTES0357.JPG
10/25/2023 02:44 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 15 on Observation Location Map.			44.98110, -88.83149
Observed runoff from wet decking area, flowing toward bottom of the photo and to Outfall 003 and the West Branch of the Wolf River (photo MTES0355.jpg, above).			



Another stormwater discharge to the West Branch of the Wolf River.			MTES0358.JPG
10/25/2023 02:44 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 16 on Observation Location Map.			44.98103333, -88.83142833
Observed stormwater flowing from the yard in Location 16 and discharging to the West Branch of the Wolf River. The discharge is not identified as an outfall in the current permit.			



Another stormwater discharge to the West Branch of the Wolf River.			MTES0359.JPG
10/25/2023 02:46 PM	No CBI	No PII	Photographer: Dean Maraldo
Location 17 on Observation Location Map.			44.98113666, -88.830815
Observed a stormwater flowing from the yard in Location 17 and discharging to the West Branch of the Wolf River. The discharge is not identified as an outfall in the current permit.			

Inspection Date:

10/25/2023

APPENDIX 3: DOCUMENT LOG

Document Type	Document Name	Contains CBI or PII	Date Received	Pages	Attached to Report?
Permit	wi0046868-5-mte-2021.pdf	No	10/23/2023 (obtained by EPA)	59	No
Detailed Facility Report source: EPA-ECHO Website	MTE_Detailed Facility Report _ ECHO _ US EPA.pdf	No	10/23/2023 (obtained by EPA)	7	No
Facility SPCC Plan, dated August 17, 2010	WI0046868_MTE Sawmill_SPCC Plan_20100817	No	Provided by Raymond Fish on 10/25/2023	17	Yes
Summary of self-reported effluent pH sampling April-July 2023	pH data_20231017.pdf	No	10/17/2023 (obtained by EPA)	1	Yes

SPILL PREVENTION, CONTROL AND
COUNTERMEASURE (SPCC) PLAN
FOR
MENOMINEE TRIBAL ENTERPRISES (MTE)
Neopit, Wisconsin

Persons responsible for oil spill prevention:

NAME	TITLE	PHONE NUMBER
Pershing Frechette	Plant Mgr.	715-756-2260
Sharon Waukau	Purchasing Mgr	715-524-4198
Ray Fish	Safety Coordinator	715-799-3533 715-853-4652

Persons responsible for (SPCC) Plan:

NAME	TITLE	PHONE NUMBER
Pershing Frechette	Plant Mgr	715-756-1151
Sharon Waukau	Purchasing Mgr.	715-524-4198
Ray Fish	Safety Coordinator	715-799-3533 715-853-4652

Prepared by: Raymond Fish

Date: June 21, 2010

Revisions: This SPCC Plan shall be reviewed and evaluated at least one every (3) years, or whenever there is a change in facility design, construction, operation, or maintenance that would affect MTE's potential for the discharge of oil. Amendments to this SPCC Plan must be certified by a Registered Professional Engineer.

I hereby certify that this SPCC Plan has been reviewed and remains in accordance with good engineering practice:

Bernard Vigue



Registered PE
25418-006

Date: 08/12/10

DESCRIPTION OF FACILITY 112.7(a)

Menominee Tribal Enterprises (MTE) is a lumber sawmill in Neopit, Wisconsin located adjacent to highway 47 and the west branch of the Wolf River. MTE has four aboveground storage tanks with a capacity of 30,500 gallons of oil and 13 mobile containers that have a capacity of 1,295 gallons. The total capacity is 31,795 gallons.

Attachment "A" illustrates the layout of the facility with the fixed storage tanks.

Attachment "B" illustrates the mobile facilities storage in the machine shop.

Attachment "C" illustrates the three out fall locations

Attachment "D" illustrates the aerial view of the out falls

Attachment "E" illustrates log sprinkler discharge out fall 003

MTE is in operation eight hours per day, five (5) days a week. This includes its retail gas station.

The facility is surrounded by a fence and has a security guard on duty 24 hours a day.

Fixed Above ground Storage –attachment A

Tank Number	Storage Capacity	Fuel Type
Tank 1 double walled	10,000 gallons	Gasoline
Tank 2 double walled	10,000 gallons	Diesel
Tank 3 double walled	10,000 gallons	Diesel

Mobile Above ground Storage –attachment B

Tank Number	Capacity - gallons	Fuel Type
Tank 4 double walled	500	Waste Oil
2-drums	110	Oxygen Scavenger
2-drums	110	Water Treatment
2-drums	110	Dispersant
2-drums	110	Diesel
1-drum	55	80-90 gear lube
1 tank	300	Hydraulic fluid
1 tank	100	80-90 gear lube
1 tank	300	Motor oil
1 tank	100	Transmission fluid
1 tank	300	Oil Separator

Discharge Prevention Measures

Tanks 1,2 & 3 are contained with concrete berms at or above 120% of capacity and pressurized triple walled piping. Controls include inventory control, overfill protection, and leak detection warning.

Tank 1: Gasoline 10000 gallons-use approx. 6100 gals/wk, tanker delivers to AST 1. The gas is dispersed at the gas pumps to locals, loggers and company vehicles

Tank 2 Dyed diesel fuel 10000 gallons-use approx. 2500 gal./wk tanker delivers to AST 2. fuel dispensed at the pumps to lumber trucks and other over the road vehicles.

Tank 3 regular diesel fuel 10000 gallons use approx 2550 gals./wk fuel is dispensed at the pumps.

Tank 4 Waste oil 500 gallons stored in the machine shop, material is collected at the end of the month by a oil recycle company.

55 gallon drums of oxygen scavenger for the de-aerator in the boiler room, helps prevent corrosion on of the tanks and conduits.

55 gallon drums of boiler water treatment, which is needed for prevention of build up in the lines.

55 gallon drums of dispersant used in the water softener process.

55 gallon drums of Diesel used for the cats and forest vehicles, mobile fueling

55 gallon drum 80-90 gear oil, supply forest vehicles.

300 gallon tank hydraulic fluid, bulk tank, Use 90 gals/wk

100 gallon tank motor oil. Use 20 gals/wk

100 gallon tank of transmission fluid, used by mill operation and logging vehicles, 60 gals /wk

300 gallon oil separator under the floor of the machine shop for wash bay. Material is collected at the end of the month by a recycling company.

Countermeasures

Weekly visual inspections are utilized to check for any discharge. It consist of a complete walk-through of the facility to check the following: piping, equipment, and tanks for leakage; soils for staining and discoloring; excessive accumulation of rainwater in the dike; verification that the drain valve is sealed closed; and to confirm the facility effluent is free from oil. The Weekly Inspection Checklist form is shown in attachment "F".

Rainwater build-up drainage is performed on a regular basis with the recording in the Record of Drainage Events form shown in attachment "G".

The Above Ground Storage Tanks (1,2,3) are all under a roof and protected from rain, as result no water build up ever happens on the floor. The hole in the floor for drainage contains a slight amount of water but is never on the floor. At this point drainage is not necessary.

The Machine Shop contains the bulk storage tank and the 55 gallon drums of oil, hydraulic fluid, transmission fluid and this material is all kept inside the building.

Methods of Disposal

Clean up, removal, and disposal of spilled oil would be in accordance with Menominee Tribal Ordinance 92-14 and accomplished by personnel trained in the proper techniques. In the event of an extensive spill, the Environmental Services Department (715-799-3096) or the Menominee Telecommunications (715-799-3881) and a clean-up contractor would be called. Disposal would be accomplished by the clean-up contractor.

Discharge Report

There has been one discharge from the facility.

Description of Spill	Corrective Action	Prevention plans
On 5-25-99, the underground line from the fixed AST to the pump was cut during construction of a new building. Approximately 50 gallons of fuel were spilled <i>mar 27, 2014 Hyd Oil spill 55 gallons MILL</i>	A contractor, US Oil cleaned up the spill according to Menominee Tribal Ordinance 92-14. Contaminated soil was removed and replaced with similar clay-bentonite material	Building construction was completed. Leak detection alarms are tested weekly to insure proper operation.

Procedure for handling spills

Menominee Tribal Enterprises has a large spill kit stored in the MOC building upstairs which can be used plant wide. A small spill kit will be kept in the machine shop, steamplant, and sawmill.

When spill emergencies arise, the MTE Immediate Response Team is called. Team members consist of:

Cliff Kaquatosh, Maintenance Supervisor
Joe Caldwell, Plant Maintenance
Ernie Washquonogishik, Plant Maint.
Tony Waukau, Plant Maintenance
Ted Waupekenay, Fire Protection
Dale Kaquatosh, Steamplant Supervisor

If front-end loaders, dump trucks, or backhoes are needed the response team can access them immediately.

EMERGENCY TELEPHONE NUMBERS:

<u>NAME, TITLE</u>	<u>PHONE NUMBER</u>
Pershing Frechette, Plant Mgr.	715-756-2260
Sharon Waukau, Purchasing Mgr	715-524-4198
Ray Fish, Safety Coordinator	715-799-3533
Josh Pyatskowit, HazMat Coordinator,	715-799-3096
Menominee, Police, Fire, EMS	715-799-3881
Telecommunications	715-799-5800

CLEAN-UP CONTRACTORS

<u>COMPANY</u>	<u>CONTACT</u>	<u>PHONE NUMBER</u>
Schroeder Environmental	Nancy Schroeder	920-339-9970 <i>Green Bay</i>
✓ WRR Environmental	Dispatch	800-471-6885 <i>Eau Claire</i>
Superior Environmental	Christine Jacques	800-688-4005 <i>Green Bay</i>

Potential Discharge 112.7 (b)

The direction any potential discharge will flow are shown in attachment "A" and "B".

POTENTIAL EQUIPMENT FAILURES

Potential Failure	Spill direction	Volume Released	Spill Rate
Full tank failure	SE to WBWR	10000 gal	Instantaneous
Partial failure of a full tank	SE to WBWR	Up to 10000 gal	Gradual to instantaneous
Tank overflow	SE to WBWR	Up to 200 gals	Up to 50 gals/min
Leaking pipe	SE to WBWR	Up to several gal	Gradual
Tank truck Leak	SE to WBWR	Up to 8000 gal	Gradual to instantaneous
Hose leak during transfer	SE to WBWR	UP to 50 gal	Gradual
55 gallon drum failure	SE to WBWR	Up to 55 gal	Gradual to instantaneous

Containment System 112.7(c)

Concrete berms are used for containment for each of the tanks 1, 2, & 3. Overflow from the berms will flow south towards the Wolf River. There are earth berms along the length of the river to prevent a direct flow into the river from all the storage tanks. The spill should be retained on-site by the berms

Inspection, Tests, & Records 112.7(e)

Inspections will be conducted according to the attached form "F", "Weekly inspection checklist"

Records for the plan with the Safety Coordinators office for 3 years at which time the plan will be re-evaluated.

Spill Prevention Procedures 112.7 (f)

MTE is committed to spill prevention, control, and clean up.
MTE has developed and enforces all operations to assure safe and efficient operations.

The following preventive measures are in place to minimize the possibility of an oil spill:

1. Personnel training on spill prevention control and countermeasure plans.
2. An awareness of the imperative nature of spill prevention, control, and clean up.
3. Adequate supervision of personnel

Yearly spill prevention briefings are provided by the Safety Coordinator for operating personnel to ensure adequate understanding of the SPCC Plan. These briefings highlight any past spill events or equipment failures and the developed precautionary measures.

Training includes oil spill prevention, containment, and retrieval methods. The Safety Coordinator keeps records of these briefings and spill prevention training. New employees (gas station) are trained in SPCC within two weeks of starting work. The SPCC "Training Session Records" is shown in attachment "H".

Security 112.7(g)

The three fixed tanks are outside but within a fenced area. The remainder of the tanks are in the machine shop building. The machine shop is locked when the employees leave after the normal workday. The entire facility has a security guard 24 hours a day. The entire storage areas have street and building outside lights that are on a dusk-to-dawn operation.

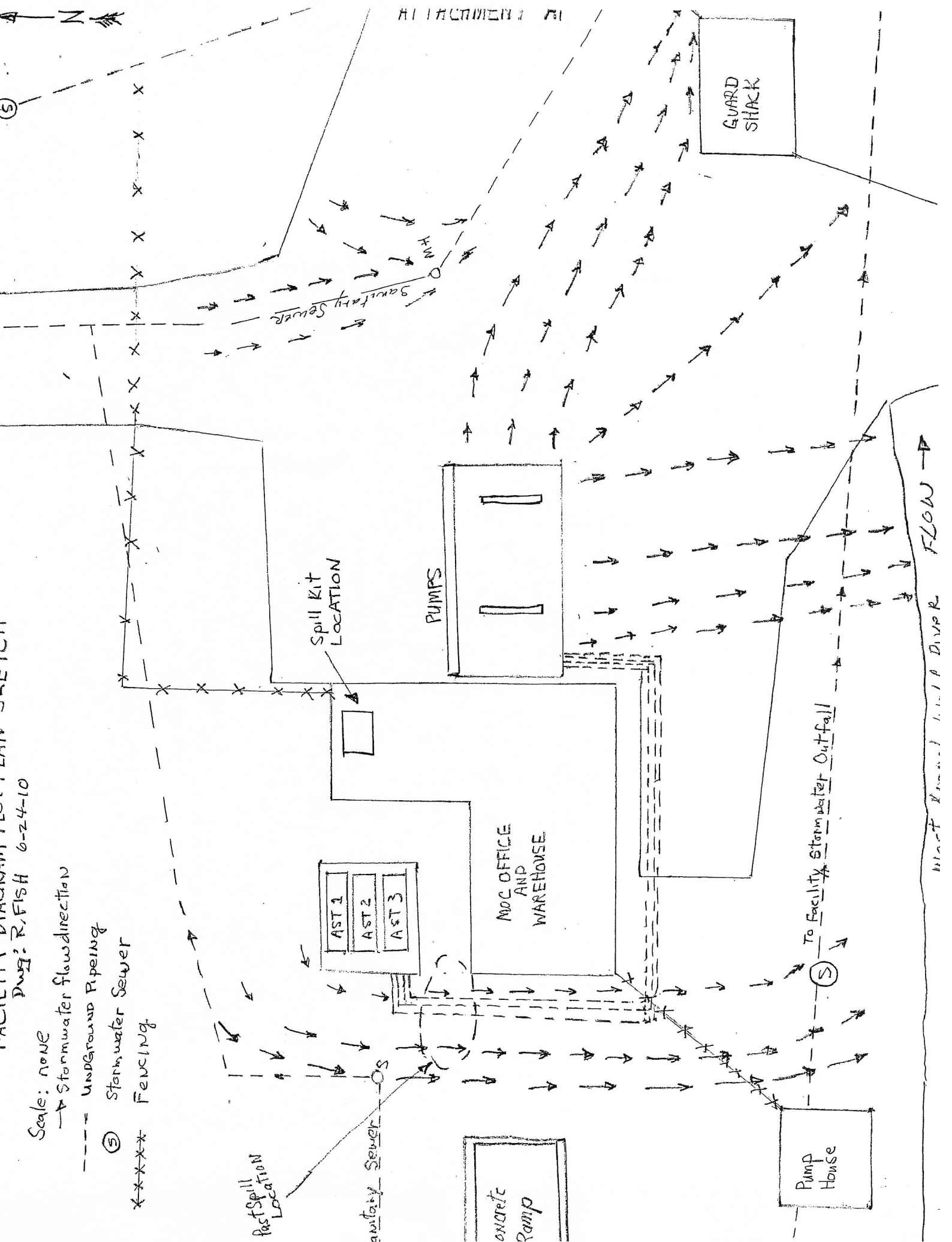
Loading/unloading Operation 112.7h)

We inspected all three AST and found the following:

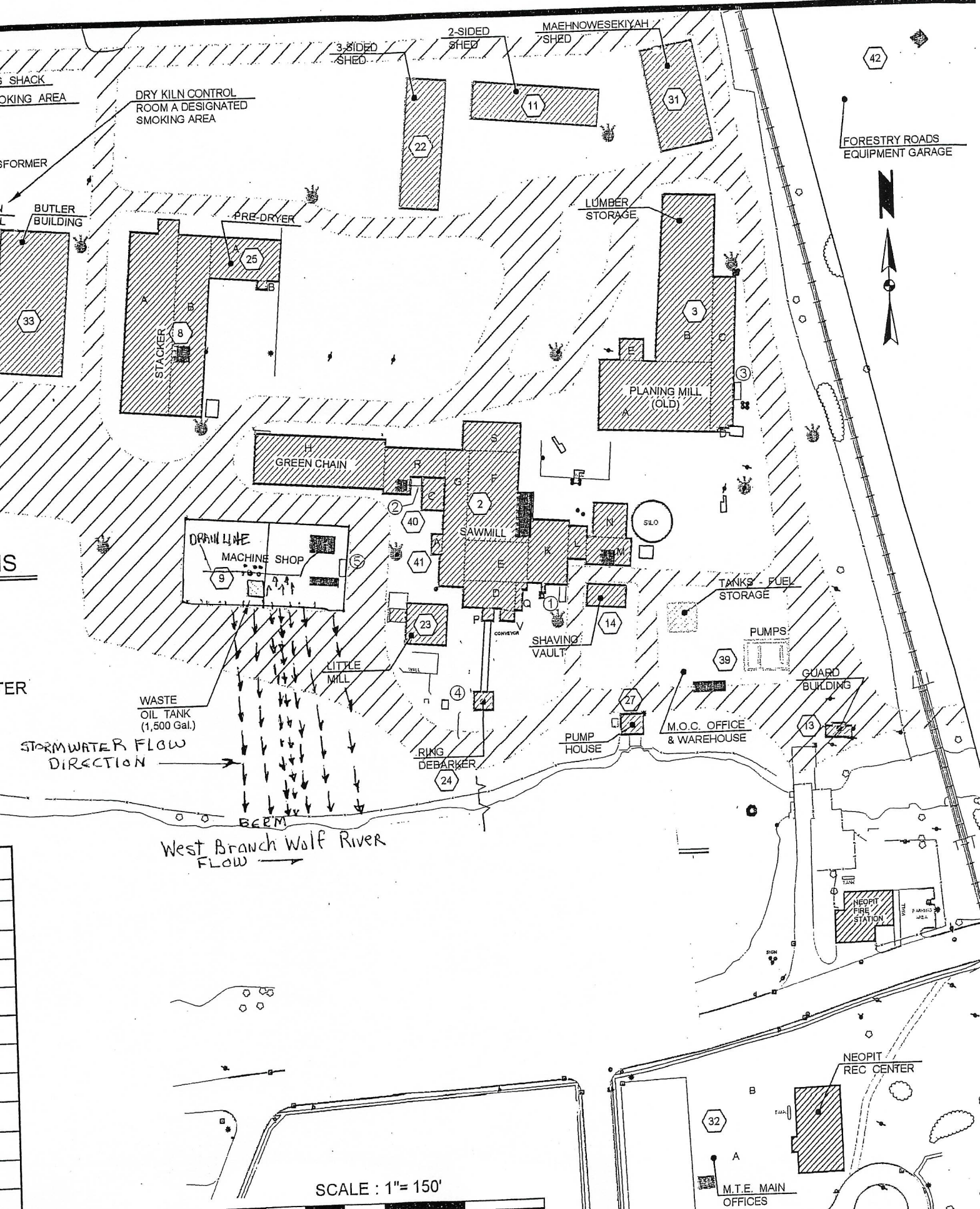
- We need to post up warning signs as one is missing.
- The piping on the top of tanks 2 and 3 appear to have a slight leak around the pipe threads, which we will clean.
- The floor of the containment area is clean as the entire system is under a roof and has concrete walls 5ft high around 3 sides and the front has a 30-inch wall, which can contain a spill of 10,000 gallons.
- Level gauges are working properly on each tank.
- Overfill alarms are not working and we have called for service.
- The vents on the top of the tank extent out of the roof and appear to be unobstructed.
- The system has leak tests on the tanks done weekly.
- A supply of spill kits is kept inside the building for major and minor spills.
- The pumps appear to be leak free, occasionally a leak occurs on a hose and the material is cleaned up quickly.
- The tanks and lines are free of rust and corrosion.

Security is provided for the operation 24 hours a day and the gate guard monitors all incoming activity. Security cameras are also active 24 hours a day. The pumps are open on weekends to the public from 6:00 am to 6:00 p.m. Gates are all locked after 6:00 p.m.

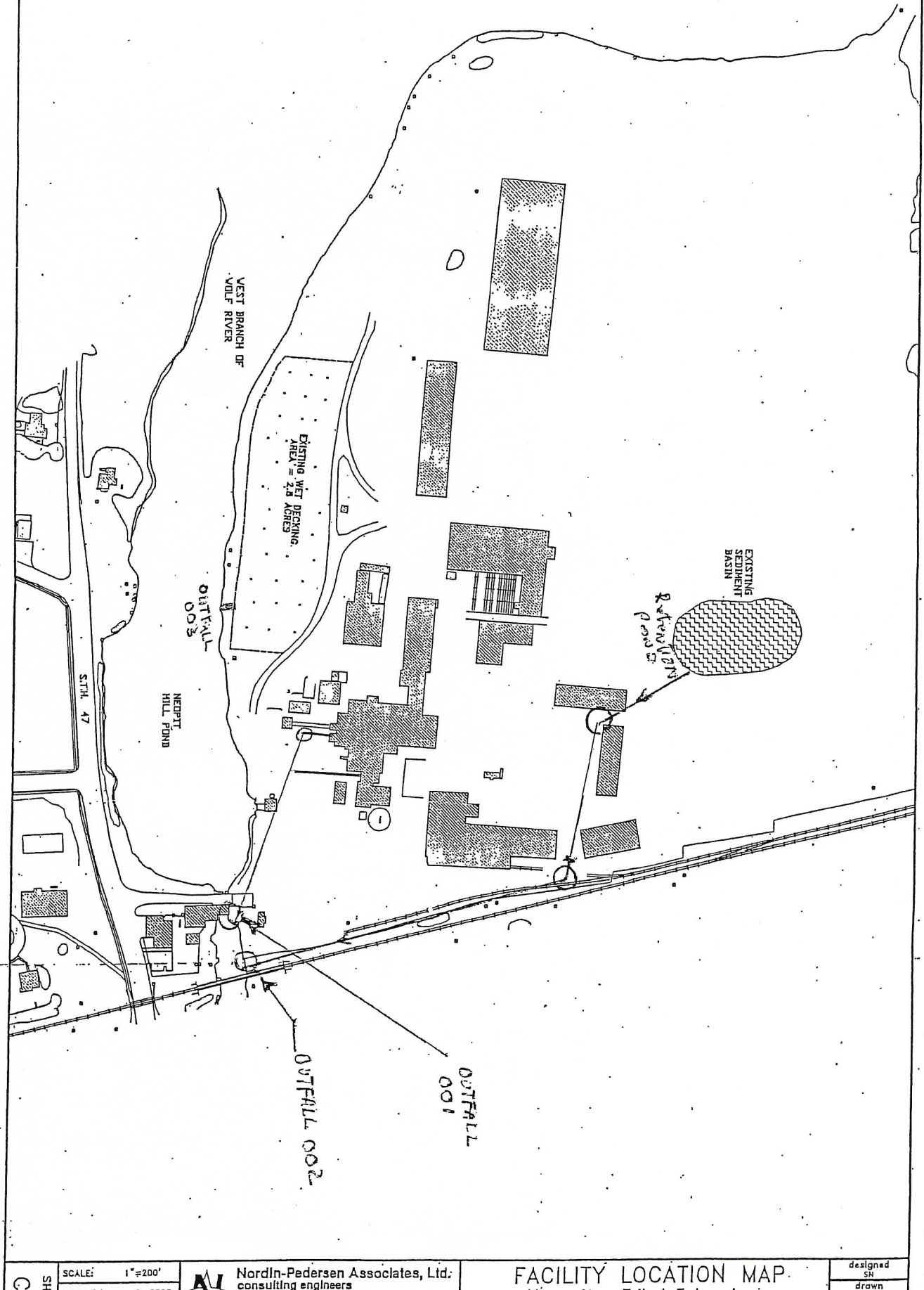
The machine shop stores about 800 gallons of material inside the building in drums and a bulk tank. The area is visually inspected daily and they have a spill kit in the building.



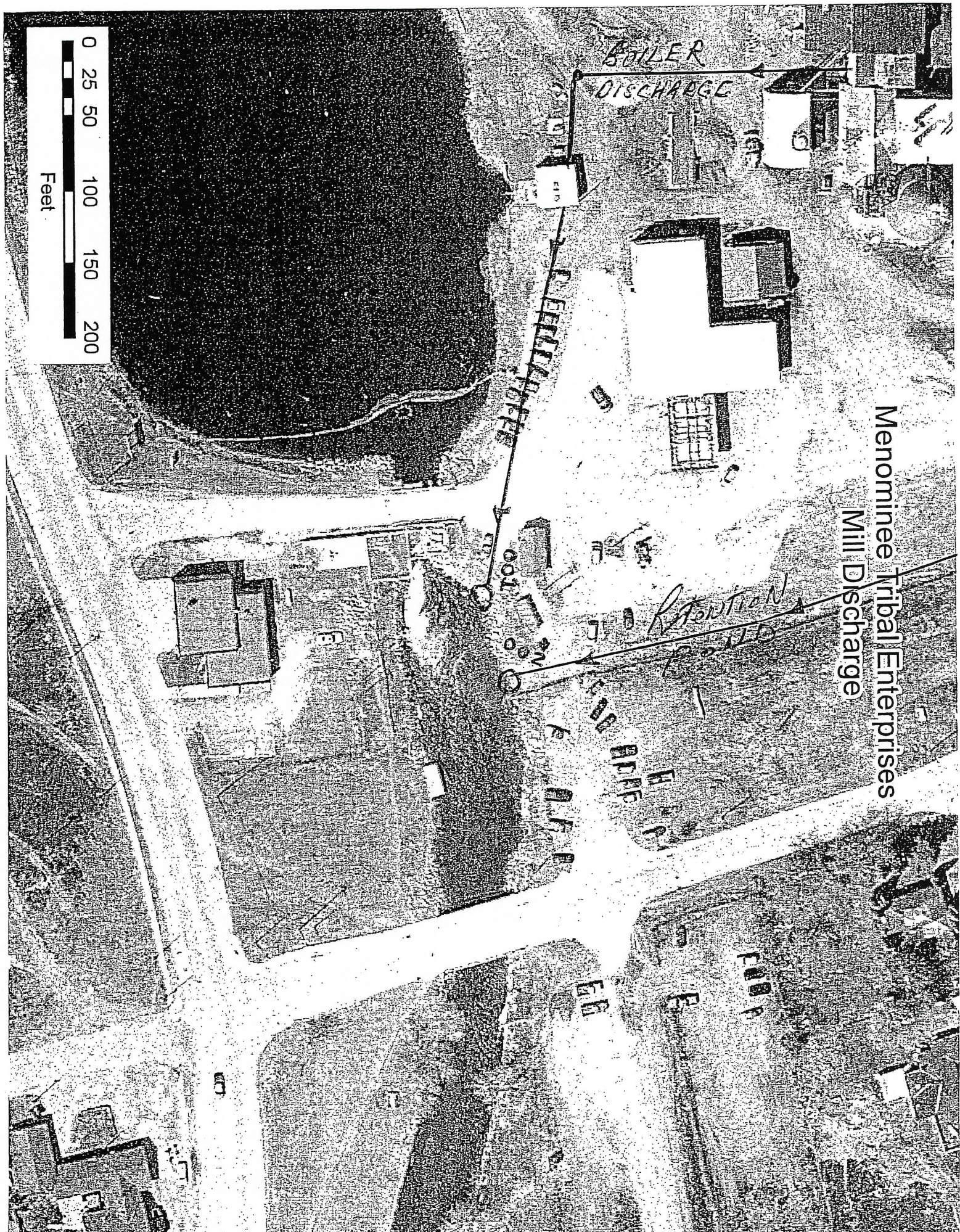
Machine Shop 500 Gal
Waste oil tank

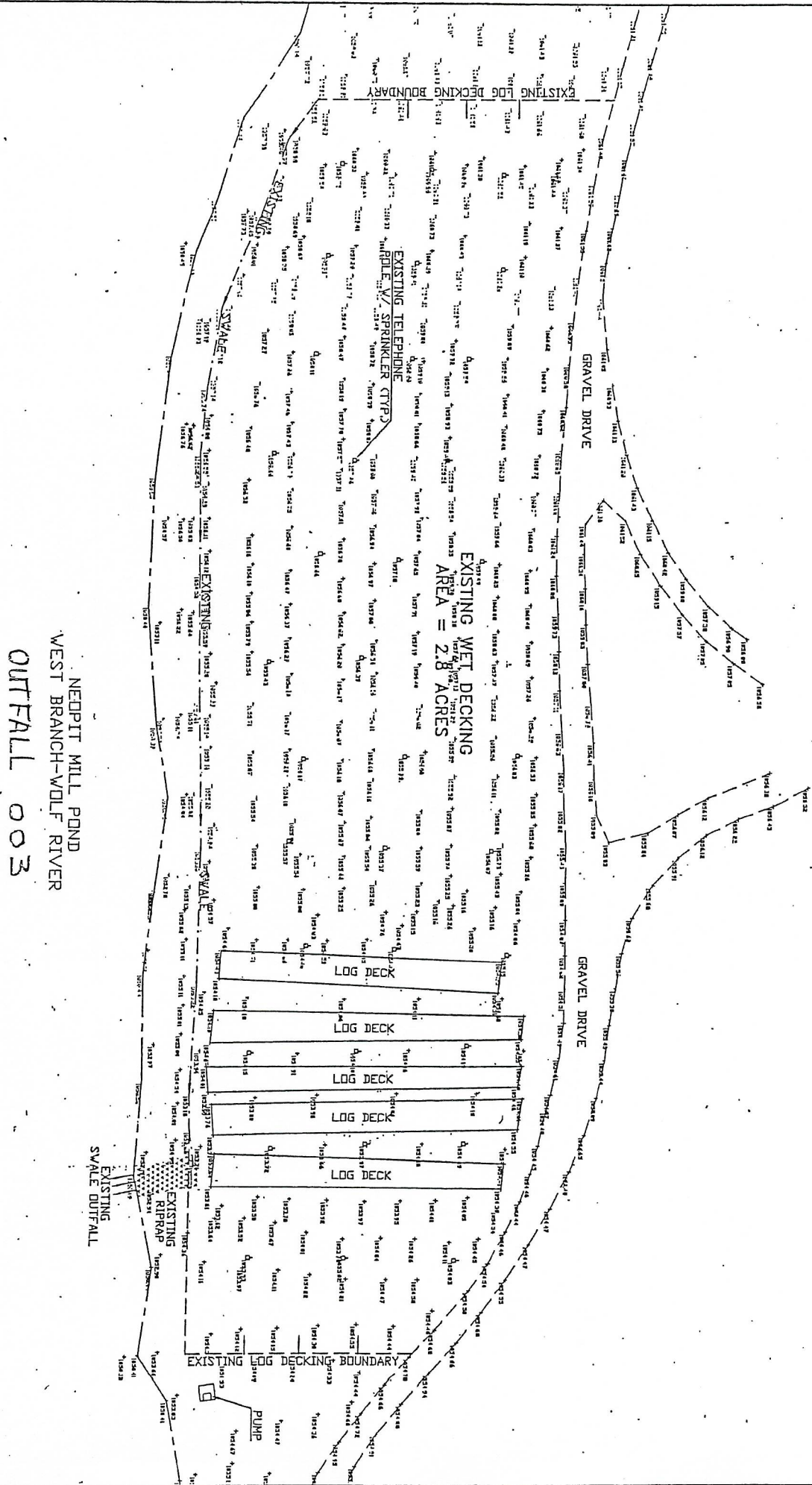


Attachment C



ATTACHMENT 1 D





ATTACHMENT "F"

WEEKLY FACILITY INSPECTION CHECKLIST

Date:		Action Taken:
Time:		
Inspector:		
DIKE		
YES	NO	Dike drainage valves closed & locked?
YES	NO	Visible oil sheen in containment area?
YES	NO	Standing water in containment area?
PIPES		
YES	NO	Buried pipelines exposed?
YES	NO	Out of service pipes capped?
YES	NO	Signs/barriers to protect pipelines from vehicles in place?
YES	NO	Leaks at valves, flanges, or other fittings?
YES	NO	Signs of corrosion damage to pipelines or supports?
LOADING/UNLOADING AREA		
YES	NO	Warning signs posted?
YES	NO	Hoses leaking?
YES	NO	Catch basin free of water?
YES	NO	Catch basin free of contamination?
YES	NO	Platform free of contamination?
YES	NO	Spill kits in place?
YES	NO	Are pumps leaking?
SECURITY		
YES	NO	Gates have locks?
YES	NO	Pumps off when not in use?
YES	NO	Starter controls for pumps locked when not in use?
YES	NO	Lighting working properly?
YES	NO	Fence and gates intact?
TRAINING (Monthly Audit)		

YES	NO	Are training records in order?
YES	NO	Spill prevention briefing held?
AST'S		
YES	NO	Is tank condition good (no rusting, corrosion, pitting)?
YES	NO	Are bolts, rivets or seams damaged?
YES	NO	Is foundation intact?
YES	NO	Level gauges & alarms working properly?
YES	NO	Are vents obstructed?
YES	NO	Valves, flanges & gaskets free from leaks?
YES	NO	Containment walls intact?
YES	NO	Does surface area show signs of leaks?
YES	NO	Is annual leak test due?
MISCELLANEOUS		
YES	NO	Does spill kit require restocking?
YES	NO	
YES	NO	
REMARKS-RECOMMENDATIONS		

ATTACHMENT "G"

RECORD OF DRAINAGE EVENTS

[illegible]

ATTACHMENT #14

SPCC TRAINING SESSION RECORDS

[illegible]

ATTACHMENT "I"

NOTIFICATION-REPORTABLE SPILL EVENTS

DATE <i>May 25, 1999</i>	
TIME <i>11:00 AM</i>	
ESTIMATED QUANTITY RELEASED <i>50 Gallons</i>	
OIL TYPE OR PRODUCT SPILLED <i>Gasoline-Diesel-Red Diesel</i>	
YOUR NAME <i>Raymond Fish</i>	
YOUR JOB TITLE <i>Safety Coordinator</i>	
AGENCIES CALLED <i>US OIL COMPANY</i>	<i>Menominee Tribal Environmental Services</i>
COMMENTS <i>Soil removed and replaced with clay-bentonite</i>	
YOUR SIGNATURE <i>Raymond Fish</i>	

perm_fea	parameter_desc	limit_value_type_desc	limit_value_nمبر	limit_unit_desc	statistical_base_short_desc	limit_value_qualifier_code	monitoring_period_end_date	dmr_value_nمبر	dmr_value_qualifier_code	value_received_date	days_late	violation_severity
1	pH	Concentration1	6	SU	MINIMUM	>=	3/31/2023	8.2	=	4/5/2023		No Violation Identified
1	pH	Concentration3	9	SU	MAXIMUM	<=	3/31/2023	8.2	=	4/5/2023		No Violation Identified
1	pH	Concentration1	6	SU	MINIMUM	>=	6/30/2023	8.6	=	7/26/2023	5	No Violation Identified
1	pH	Concentration3	9	SU	MAXIMUM	<=	6/30/2023	8.6	=	7/26/2023	5	No Violation Identified
3	pH	Concentration3	9	SU	DAILY MX	<=	1/31/2023	9	=	4/6/2023		No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	1/31/2023	6	<	4/6/2023		Non-Reportable Noncompliance Effluent Violation
3	pH	Concentration3	9	SU	DAILY MX	<=	2/28/2023	6	=	4/6/2023		No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	2/28/2023	6	=	4/6/2023		No Violation Identified
3	pH	Concentration3	9	SU	DAILY MX	<=	3/31/2023	9	=	4/5/2023		No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	3/31/2023	6	=	4/5/2023		No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	4/30/2023	6	=	7/26/2023	5	No Violation Identified
3	pH	Concentration3	9	SU	DAILY MX	<=	4/30/2023	9	=	7/26/2023	5	No Violation Identified
3	pH	Concentration3	9	SU	DAILY MX	<=	5/31/2023	9	=	7/26/2023	5	No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	5/31/2023	6	=	7/26/2023	5	No Violation Identified
3	pH	Concentration3	9	SU	DAILY MX	<=	6/30/2023	9	=	7/26/2023	5	No Violation Identified
3	pH	Concentration1	6	SU	DAILY MN	>=	6/30/2023	6	=	7/26/2023	5	No Violation Identified