Appendix D

Seed Mix

Appendix D

MIX 2 – STABILIZATION/WILDLIFE/GRAZING

Common Name	Scientific Name	Lb./Ac.*
Agricultural Rye	*Secale preten*	4
Timothy	*Phleum pretense*	2
Tall Fescue	*Festuca arundinaceae*	3
Switchgrass	P*anicum virgatum*	1
Big Bluestem	A*ndropogon gerardi*	1
Canada Wild Rye	*Elymus canadensis*	3
Alsike Clover**	*Trifolium hybridum*	4
Red Clover**	*Trifolium repens*	4
Alfalfa**	*Medicago sativa*	5
	Total	**27 lbs.**

Appendix E

PAL Erosion Control Matrix

CHANNEL EROSION CONTROL MATRIX

(Concentrated Flow Application)

TYPE OF EROSION CONTROL DEVICE	PERMISSIBLE SHEAR LB/S.F.	DITCH GRADE															REMARKS
		< 2%			2% - 4%			4% - 6%			6% - 9% *			9% - 12% *			
		Max. Length (ft.)			Max. Length (ft.)			Max. Length (ft.)			Max. Length (ft.)			Max. Length (ft.)			
		300	600	1200	300	600	1200	300	600	1200	300	600	1200	300	600	1200	
Seed with properly anchored mulch	0.6																Anchor mulch per specifications.
Sod ditch checks with seed and mulch	N/A					C											Install one ditch check for every 1 foot of drop. Sod stakes required.
Temporary ditch checks (hay bales or approved manufactured alternatives lisited in the WisDOT PAL)	N/A																Install one ditch check for every 2 feet of drop. Maximum 200' spacing. Not recommended for slopes less than 1%.
Sod ditch liner	1.0																Upstream end must be buried. Additional sod stakes required.
Double netted light duty (WisDOT Class I Type B) erosion mat	1.5																Only mat type products allowed.
Sod reinforced with a double netted jute (WisDOT Class II Type A) erosion mat	1.5																Upstream end must be buried. Additional sod stakes required. Two bid items needed.
Stone or rock ditch checks, or Rock-Filled Filter Bags	N/A																Use No. 2 coarse aggregate, railroad ballast, or breaker run. Install one ditch check for every 2 feet of drop. Use in conjunction with a channel lining.
Medium duty coconut erosion mat (WisDOT Class II Type B or C)	2.0																
Heavy duty synthetic (WisDOT Class III Type A) erosion mat or turf reinforcement mat (WisDOT Class III Type B)	2.0																Germination may be a problem with Class III Type A mats. An ECRM is required for initial erosion protection for Class III Type B mats.
Heavy duty synthetic turf reinforcement (WisDOT Class III Type C) mat	3.5																An ECRM is required for initial erosion protection. Contact manufacturer if higher shears are needed.
Riprap ditch checks	N/A																Place top of downstream ditch check level with bottom of upstream ditch check. Use in conjunction with a channel lining.
Heavy duty synthetic turf reinforcement (Class III Type D) mat	5																An ECRM is required for initial erosion protection. Contact manufacturer if higher shears are needed.
Light riprap	4																Outfalling, overtopping and scour need to be addressed. Use 2' minimum ditch depth.
Medium riprap	5																
Heavy riprap	8																
Riprap measures apply to all ditch types. Use of these measure requires engineering judgement and design.																	

CHANNEL EROSION CONTROL MATRIX

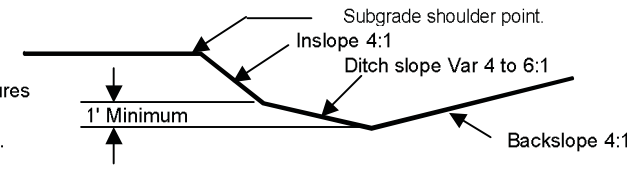
(Concentrated Flow Application)

TYPE OF EROSION CONTROL DEVICE	PERMISSIBLE SHEAR LB/S.F.	DITCH GRADE < 2% Max. Length (ft.) 300	600	1200	2% - 4% Max. Length (ft.) 300	600	1200	4% - 6% Max. Length (ft.) 300	600	1200	6% - 9% * Max. Length (ft.) 300	600	1200	9% - 12% * Max. Length (ft.) 300	600	1200	REMARKS
Grouted rip rap	N/A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Address outfalling, overtopping and scour. Line with Grotextile fabric Type "HR", (see Chap. 10, Const. Detail and special provision). Use 2' minimum ditch depth.
Articulated Concrete Block Type A	5	●	●	●	●	●	●	●	●	●	●						ACBs apply to all ditch types. Use of these measures requires engineering judgement and design.
Articulated Concrete Block Type B	10	●	●	●	●	●	●	●	●	●	●	●	●	●			
Articulated Concrete Block Type C	15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Articulated Concrete Block Type D	20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Articulated Concrete Block Type E	30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Standard Ditch Section

●

Erosion control for ditches not conforming to the typical at right, that complies with FDM procedures 11-15-1 Figures 6 & 7, should be designed according to FDM Chapter 13.



KEY

Effective range of device for Sandy or Clayey Soil: ●

Device applicable, may not be cost effective: ●

" C " effective for clayey soil only

Not applicable. Use in conjunction with other BMPs: ●

ECRM - Erosion control revegetation mat. All Class I and II mats are ECRMs.
TRM - Turf reinforcement mat.
FDM - WisDOT Facilities Development Manual
BMP - Best Management Practice
PAL - See Note 6

* For ditch grades over 9% special design considerations may be required.
** Soils that are not sandy should be treated as clay soils.

NOTES

1) Ditch flow rates used to develop bar chart are based on a 60 ft. right of way from pavement centerline and a 2-Yr. rainfall event for temporary liners or a 25-Yr. rainfall event for permanent (Class III mat or riprap) liners. If the drainage area extends outside the 60 foot right of way or unusual flows are expected, use the shear stress column values to determine the suitablity of a liner. See FDM procedures in Chapter 10 and in Section 13-30-10.
2) Erosion mats shall extend upslope 1.0 ft. min. vertically from the ditch bottom or 6" higher than the design flow depth. There shall be no joints within 18" of the low point.
3) Cost shall be a consideration in the selection of these devices.
4) Add sediment traps at the bottom of channel slopes.
5) Refer to FDM Chapter 10 for any channels exceeding the limits shown.
6) Approved materials for erosion products are referenced from the Wisconsin Department of Transportation Erosion Control Product Acceptability Lists (PAL), found at the web site: http://www.dot.wisconsin.gov/business/engrserv/pal.htm
7) On long or steep channels that require a higher class mat, use the appropriate lower class mat for the first 300 ft to 600 ft of the channel.
8) Effective erosion control involves minimizing the amount of time soil is exposed and the selection of a combination of practices, and not reliance on just one practice.

SLOPE EROSION CONTROL MATRIX

TYPE OF EROSION CONTROL	SLOPE																		REMARKS
	6:1 or flatter (7)			4:1			3:1			2.5:1			2:1			1:1			
	SLOPE LENGTH			SLOPE LENGTH			SLOPE LENGTH			SLOPE LENGTH			SLOPE LENGTH			SLOPE LENGTH			
	0 - 30'	30 - 60'	60 - 120	0 - 30'	30 - 60'	60 - 120	0 - 30'	30 - 60'	60 - 120	0 - 30'	30 - 60'	60 - 120	0 - 30'	30 - 60'	60 - 120	0 - 30'	30 - 60'	60 - 120	
Seed with properly anchored mulch																			
Single netted light duty (WisDOT Class I Type A) erosion mat																			
Light duty single netted 100% biodegradeable (WisDOT Urban Type A) erosion mat																			Use only 100% biodegradeable anchors for urban mats.
Light duty double netted 100% biodegradeable (WisDOT Urban Type B) erosion mat																			Use only 100% biodegradeable anchors for urban mats.
Bonded Mulch (WisDOT Type A Soil Stabilizer)																			May be applied over Class III Type B, C, or D mats in place of erosion control revegetation mats.
Polymer (WisDOT Type B Soil Stabilizer)	Used in conjunction with other BMPs effective up to a 2:1 slope. Not effective in sand. When used alone effective up to a 3:1 slope. Stand alone use appropriate for earthen stock piles, temporary, and late season applications																		
Double netted light duty (WisDOT Class I Type B) erosion mat																			
Sod																			
Medium duty coconut erosion mat (WisDOT Class II Type B or C)																			
Sod reinforced with a double netted jute (WisDOT Class II Type A) erosion mat																			Sod stakes required. Two bid items needed.
Heavy duty synthetic erosion control revegetation mat (WisDOT Class III Type A)																			Germination may be a problem with Class III Type A mats
Riprap																			Angle of repose must be considered, see FDM Chapter 13.
Heavy duty synthetic turf reinforcement (WisDOT Class III Type B or C) mat																			A soil stabilizer or ECRM will be required for initial erosion protection.
Heavy duty synthetic turf reinforcement (WisDOT Class III Type D) mat																			A soil stabilizer or ECRM will be required for initial erosion protection.
Slope paving or grouted riprap																			Consider clear zone requirements. Only use in limited circumstances such as overflow areas near bridges.

SLOPE EROSION CONTROL MATRIX

Benches	Consider benches when cuts exceed 20', bench at approximately 15' vertical intervals to collect and drain water. Treat benches as channels (ditches). Adjust elevations to provide drainage. Consider flumes at transitions.
Intercepting embankments	Used to intercept runoff from abutting lands. Flumes may be necessary to direct runoff.
Silt fence	Used at toe of slopes to intercept and detain small amounts of sediment. Use only WisDOT approved silt fence as listed in the PAL.
Temporary ditch checks or Erosion bales	Used at toe of slopes to intercept and detain small amounts of sediment.
Slope drains/flumes	May be necessary on slopes (see channel matrix for design guidance).
Sediment traps	Used to trap sediment laden runoff. Could be used at the inlet or outlet end of slope drain.

KEY:

Not applicable. Use in conjunction with other BMPs: ⊗

Effective range of device for Sandy or Clayey Soil: ●▬▬▬▬▬

Device applicable, may not be cost effective: ●▬▬▬▬▬

* Soils that are not sandy should be treated as clay soils.

ECRM - Erosion control revegetation mat. All Class I and II mats are ECRMs.
TRM - Turf reinforcement mat.
FDM - WisDOT Facilities Development Manual
PAL - See Note 5

NOTES

1) Cost shall be a consideration in the selection of these devices.
2) Designers should review FDM Chapter 10 prior to selection of erosion mats.
3) Install intercepting ditches to limit slope lengths to 15' vertical intervals. (See FDM Chapter 10)
4) Refer to FDM Chapter 10 for any slopes exceeding the limits shown.
5) Approved materials for erosion products are referenced from the Wisconsin Department of Transportation Erosion Control Product Acceptability Lists (PAL), found at the web site: http://www.dot.wisconsin.gov/business/engrserv/pal.htm
6) On steeper slopes that require a higher class mat, use the appropriate lower class mat or seed and mulch for the first 30 ft to 60 ft of the slope.
7) Unless project conditions require otherwise, seed and mulch all slopes that are flatter than a 5% grade, regardless of length. If practicable, bench the slopes.
8) Effective erosion control involves minimizing the amount of time soil is exposed and the selection of a combination of practices, and not reliance on just one practice.

Appendix F

Cost Estimates

M-B Site - Proposed Reclamation Cost Estimation Summary

Reclamation Item	Units	Description	Cost of	Units	Cost
Equipment Cost	AC	Placing of Subsoil	$700.00	17	$11,900.00
Equipment Cost	AC	Placing of Topsoil	$700.00	17	$11,900.00
Equipment Cost	AC	Respreading and Recontouring of Subsoil/Topsoil	$600.00	17	$10,200.00
Equipment Cost	AC	Cost Prep for Seeding. Disking, Ground Work, etc.	$300.00	17	$5,100.00
Material	AC	Seed and Fertilizer	$400.00	17	$6,800.00
Equipment Cost	AC	Seeding	$500.00	17	$8,500.00
Stabilizing Soil Storage	AC	Temporary and Final	$400.00	17	$6,800.00
Erosion Control	AC	Cost of any Temporary Erosion Control	$300.00	17	$5,100.00
Reseeding	AC	Cost of Reseeding if First Seeding Fails	$300.00	17	$5,100.00
		Estimated Cost Per Acre	$4,200.00		
		Overall Cost			$71,400.00

Appendix G

Copy of N.O. I.

State of Wisconsin
Department of Natural Resources

NOTICE OF INTENT

Information Summary for *Nonmetallic Mining Operations*

As authorized in NR 216.26, Wi. Adm. Code, the Department of Natural Resources (the Department) will use the information requested on this form to determine if process wastewater and/or stormwater discharges from nonmetallic mining operations are eligible for coverage under the Wisconsin Pollutant Discharge Elimination System (WPDES) generalized permit No. WI-0046515-5. Submittal of a completed form to the Department is mandatory for any owner or operator of a nonmetallic mining operation that must apply for a permit in accordance with 40 CFR Part 122 or Chapter 283,Wi. Statutes. Discharge of wastewater from a nonmetallic mining operation which has not obtained coverage under the nonmetallic mining general permit or other applicable WPDES permit may result in forfeitures up to $10,000 per day, pursuant to s. 283.91, Stats. Personal identification information requested on this form may be used for other water quality program purposes.

Enter N/A for questions not applicable to your operation.

Section I: Parent Company/Owner Information – To be completed by all dischargers

Company/Owner Name					
John S. Olynick, Inc.					
Contact Name	Last	First	MI	Title	
	Olynick	**Ron**		**President**	
Street Address		City		State	Zip Code
N7918 Hwy 73		**Gilman**		**WI**	**54433**
Phone Number		Fax Number		E-mail address (if available)	
715-668-5211		**715-668-5710**		**olynick@centurytel.net**	

1. *What are the Standard Industrial Classification (SIC) codes for your company's nonmetallic mining operations?*

   ☐ *1410 Dimension Stone* ☐ *1420 Crushed and Broken Stone* ☑ *1440 Sand and Gravel*
   ☐ *1450 Clay, Ceramic & Refractory* ☐ *1470 Chemicals & Fertilizers* ☐ *1480 Nonmetallic Mineral Services*

   Others?

2. Has your company been issued any other wastewater (WPDES) permits that authorize the discharge of other wastewaters (such as from asphalt or concrete operations) to Wisconsin surface or underground waters?

   ☑ Yes List the site names and WPDES permit numbers:

   ☐ **See attachment**

3. To the best of your knowledge, do any of your operations have process wastewater (from aggregate washing, pit dewatering, stack scrubbing, boiler blowdown, etc.) that contains any of the substances listed below? _____ Do any of your sites have stormwater that comes in direct contact with any of the substances listed below? _____ Check all the substances that apply.

   ☐ 4,4'-DDD ☐ 4,4'-DDE ☐ 4,4'-DDT
   ☐ alpha – BHC ☐ Dieldrin ☐ Chlordane
   ☐ Mercury ☐ Mirex ☐ Octachlorostyrene
   ☐ Photomirex ☐ PCB ☐ Pentachlorobenzene
   ☐ 1,2,3,4-Tetrachlorobenzene ☐ 1,2,4,5-Tetrachlorobenzene ☐ 2,3,7,8-Tetrachlorodibenzo-p-dioxin
   ☐ Toxaphene ☐ gamma - BHC (Lindane) ☐ tech. – BHC
   ☐ Hexachlorobenzene ☐ Hexachlorobutadiene
   ☐ Other substances that are known to be harmful to human health or aquatic life (such as solvents or dissolved metals)

   If you answered yes to either question above, and <u>any</u> of the above substances are checked, you may be required to segregate that wastewater and not discharge it to waters of the state. If you wish to pursue obtaining a permit to discharge wastewater containing these chemicals, indicate that you want the Department to send an application for a site specific WPDES discharge permit by checking here ☐.

   Check here ☑ if none of the above substances are expected to be in the discharge.

4. To the best of your knowledge, have any leaks, spills, overflows or similar instances resulted in contamination of stormwater runoff from any of your nonmetallic mining operations in the last three years?

☐ Yes List the site names and actions taken to prevent future problems, (attach additional sheets if necessary).

☑ No

Section II: Site/Property Information – To be completed for coverage of individual mine sites. Make copies of this section or use a table format to apply for more than one mining site. (Go to Section III to apply for a mobile equipment operation whose sites are not known at this time)

Site/Property Name				Site/Property Identification # [FID] (if known)		
MB Pit						
Contact Name Last	First	MI	Title			
Bohl	**Donald L. and Marlene B.**		**owner of leased property to Olynick**			
Street Address			City		State	Zip Code
33190 100th Avenue			**Stanley**		**WI**	**54768**

Property location: County	Township	Range	Section	Quarter	Qtr/Qtr	Lat/Long-GPS Coordinates (if known)
Chippewa	**29** N	5 ☐ E ☑ W	**16**	**SW ¼ -SW ¼, NE ¼ -SW ¼, SE ¼ -SW ¼**		

of Section, Sixteen(16), Township Twenty-nine (29) North, Range Five (5) West, Approx. 30 acres, Township of Delmar.

Phone Number	Fax Number	E-mail address (if available)
715-644-2115		

Attach a site map, such as an air photo, USGS topographic map or survey map, showing the mining site location, the nearest public roadway and surface water resources within 1000 feet. Wastewater treatment, seepage and discharge points should also be shown.

1. What is the flow pattern of stormwater run-off at the site?

The existing pit is currently internally drained, but needs to be externally drained or dewatered.

☑ Externally Drained – storm water that contacts mining areas, processing areas or stockpiled materials runs beyond the site property boundary. External drainage includes storm water to ponds or drainage channels that overflow to areas outside of the mining site property boundaries.

☐ Internally Drained – storm water runoff is captured within the mining site. All storm water that contacts mining areas, processing areas or stockpiled materials runs off to onsite seepage areas or ponds that retain the water within the site property boundaries.

☐ Internally Drained, but the storm water is discharged to on-site protected wetlands or other on-site natural surface water resources.

2. Briefly describe the industrial activity at this site. What Standard Industrial Classification (SIC) code would the operation be included under? Are there any adjacent mining, concrete or asphalt operations?

Part of the site is currently agricultural. The majority of the site is an operating non-metallic mine and there is a mining site adjacent to the proposed site.

3. Is this site to be "permitted" for the discharge of mining wastewater (such as from mine dewatering pumpage, product or equipment washing, cooling, etc.) to surface waters, wetlands or seepage areas?
   ☑ Yes, and section IV has been used to describe the mining process wastewater discharges
   ☐ No

4. Check here ☐, if ALL of the site's process wastewater and stormwater goes to a municipal or sewerage district treatment plant that has its own WPDES discharge permit. Such a mining site does not need an additional WPDES permit. If future operations at this site result in a direct discharge to waters of Wisconsin, you will need to inform the Dept.

For Department Use Only

☐ G. P. Coverage
☐ Individual Permit
☐ NPR

Section III: Mobile Unit Information – To be completed for coverage of a machinery group or "spread" that operates at a number of sites.

This section may be copied for describing multiple machinery groupings. Also, complete property descriptions (using section II, above) for any known or expected operating sites, so that discharge permit eligibility can be established prior to the start of operations.

Mobile Unit Operator Name/Contact	Last	First	MI	Title
John S. Olynick, Inc.	**Olynick**	**Ron**		**President**

Facility Identifier (FID) # (if known) — Anticipated Sites for Mobile Unit Operation [attach additional sheets if necessary and check here ☐]

Phone Number	Mobile Phone Number	E-mail address (if available)
715-668-5211	**715-314-0100**	**Olynicks@centurytel.net**

Number of Wash plants	Number of Crushing plants
2	**1**

Section IV: Mining Process Wastewater Information – To be completed for sites or equipment that discharge wastewater generated during the process of mining.

(This section may be copied for multiple sites or machinery groupings)

1. Indicate the **receiving water** for the process wastewater discharges. Check all that apply. (**NOTE**: Part 3, below, describes types of process wastewater. An outfall is an individual discharge point , such as a seepage pond bottom, or a sewer pipe, channel, or ditch that conveys the wastewater to underground water or surface water resources).

☑ **Seepage to Groundwater** (this includes infiltration of wastewater through the soil via drain fields, seepage areas, pond bottoms, ditches, trenches, etc. that do not reach surface water resources).
a. Outfall #(s):

☑ Discharge to **Surface Water Resources** (this includes surface water drainage ways that contain aquatic life, tributaries, protected wetlands, creeks, streams, rivers, lakes, etc):
a. Outfall #(s):

b. How far is it from the discharge point to a surface water resource (i.e. distance traveled through storm sewers or drainage ditches)? ☑ Less than 1000 feet ☐ Between 1000 and 5000 feet ☐ Greater than 5000 feet

c. What is the first named surface water the discharge enters? **Coldwater Creek**

d. If the discharge is to a wetland indicate whether it is believed to be ☑ natural or ☐ artificial

☐ **Municipal or Sewage District Treatment Plant** – Outfall #(s):
These discharges would travel in a sanitary sewer to an off-site treatment facility that has its own WPDES permit.

For Department Use Only

☐ Eligible

☐ Ineligible
☐ ERW
☐ ORW

☐ NR 103 Completed

☐ NPR

Additive follow-up necessary:
☐ Yes
☐ No

2. Are water treatment or conditioning additives used in waste streams that are discharged to surface waters or seeped into groundwater?

☑ No No water treatment additives (such as, separation aids, boiler treatments, scale/rust inhibitors, biocides, chlorine, etc.) are used.

☐ Yes Additives are used and **described in Appendix A**. Are any of the additives considered a biocide? ☐ No ☐ Yes (Biocides are designed to control biological growth, such as algae, in tanks, cooling towers, and other equipment)?

3. **List the Process Wastewater Types and Flows**. Common types of mining process wastewaters are listed below. "Other" process wastewater types could be softener regeneration wastewater, scrubber water or wastewater from internal building floor drains. Dust suppression water may be omitted if there is no runoff. Outfalls described below should be located on the site map requested in Section II, page 2.

Type of Wastewater (check all that apply):	Outfall # (#1, #2, etc.)	Average Daily Flow (gallons per day)	Type of Wastewater (check all that apply):	Outfall # (#1, #2, etc.)	Average Daily Flow (gallons per day)
☐ Washwater Associated with Material Processing	#		☐ Sanitary wastewater from toilets, sinks, etc. *If the sanitary waste-waters are **not** mixed with the mining process water, write the **type** of sanitary waste treatment system in the daily flow column in place of a flow estimate.*	#	
	#			#	
	#			#	
☒ Mine Site Dewatering	# 1		☐ Other (describe type)	#	

	#			#	
	#			#	
☐ Noncontact Cooling Water, Condensate or Boiler Water	#		☐ Other (describe type)	#	
	#			#	
	#			#	
☐ Vehicle or Equipment Washwater	#		☐ Other (describe type)	#	
	#			#	
	#			#	

Section V: Signatory Requirements

Information about the person completing this form:

Name, Last	First	MI		
Story	**Troy**	**R**		
Street Address		**City**	**State**	**Zip Code**
Design 45	**45 East Elm St.**	**Chippewa Falls**	**WI**	**54729**
Phone Number	**Fax Number**	**Email Address (if available)**		
715-202-0530	**715-723-3838**	**tstory@design-45.net**		

Title of the person completing the form.

Design Technician

Check here if you should receive Discharge Monitoring Reports (DMR's) for annual reporting of discharge test results. ☐

Official Representative's Signature. This form must be signed by the official representative of the permitted facility who is: the proprietor for a sole proprietorship; a general partner for a partnership; a principal executive officer, ranking elected official or other duly authorized representative for a unit of government; a member or manager for a limited liability company; or, for a corporation, an executive officer of at least the level of vice president, or by the executive officer's authorized representative having overall responsibility for the operation of the facility. If this form is not signed below, or is found to be incomplete, it will be returned.

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete and accurate.

Ron Olynick — Printed or Typed Name of Official Representative

Owner — Title

Ronald J Olynick — Signature of Official Representative

6/1/15 — Date

MAIL COMPLETED APPLICATION TO:

Insert Regional Department Address Here

For Department Use Only

Date Application Received:

Date permit coverage approved:

Status: ___ Denied
___ Approved
___ Specific permit

Internally Drained - Yes No
SWPPP Required - Yes No
Site Number or FIN:

AFSCI Frequency – Annual 1 per 3 years
Contaminant Control System Insp. - ¼ly 1 per 3 years
Visual Runoff Quality Check - ¼ly 1 per 3 years

Comments:

APPENDIX A - WATER TREATMENT ADDITIVE INFORMATION

[Use this appendix to provide details on the additives affirmed to be used in question #2, Section IV on page 3]

Submit the following information for each water treatment or conditioning additive that could be contained in the wastewater discharged to seepage or surface waters:

a. Commercial name, and the amount or concentration of the additive that will be used.
b. Proposed frequency of usage, and the anticipated discharge concentration of the additive.
c. Material Safety Data Sheets (MSDS's) for each additive.

NOTE: The information requested in this section should be available from your additive supplier

If your discharge enters a surface water, you must also submit the following information:

d. At least one 48-hour LC_{50} or EC_{50} value for Daphnia magna and at least one 96-hour LC_{50} or EC_{50} value for fathead minnow, rainbow trout, or bluegill.

If available from suppliers:

Outfall #	Additive Name and Manufacturer	Additive Type Biocide, pH adjuster, scale, inhibitor, rust inhibitor, etc.	Amount or Concentration Used (mg/l or lbs/day)	Anticipated Discharge Concentration (mg/l)	Frequency of use (Continuous, 1x/week, etc.)	Daphnia Magna 48-HR LC_{50} or EC_{50} (mg/l)	Fathead Minnow 96-HR LC_{50} or EC_{50} (mg/l)	Rainbow Trout 96-HR LC_{50} or EC_{50} (mg/l)	Blue Gill 96-HR LC_{50} or EC_{50} (mg/l)

ATTACH MATERIAL SAFETY DATA SHEETS (MSDS's) TO BACK OF THIS APPENDIX

State of Wisconsin
Department of Natural Resources

NOTICE OF INTENT

Information Summary for *Nonmetallic Mining Operations*

As authorized in NR 216.26, Wi. Adm. Code, the Department of Natural Resources (the Department) will use the information requested on this form to determine if process wastewater and/or stormwater discharges from nonmetallic mining operations are eligible for coverage under the Wisconsin Pollutant Discharge Elimination System (WPDES) generalized permit No. WI-0046515-5. Submittal of a completed form to the Department is mandatory for any owner or operator of a nonmetallic mining operation that must apply for a permit in accordance with 40 CFR Part 122 or Chapter 283,Wi. Statutes. Discharge of wastewater from a nonmetallic mining operation which has not obtained coverage under the nonmetallic mining general permit or other applicable WPDES permit may result in forfeitures up to $10,000 per day, pursuant to s. 283.91, Stats. Personal identification information requested on this form may be used for other water quality program purposes.

Enter N/A for questions not applicable to your operation.

Section I: Parent Company/Owner Information – To be completed by all dischargers

Company/Owner Name					
John S. Olynick, Inc.					
Contact Name	Last	First	MI	Title	
	Olynick	**Ron**		**President**	
Street Address		City		State	Zip Code
N7918 Hwy 73		**Gilman**		**WI**	**54433**
Phone Number		Fax Number		E-mail address (if available)	
715-668-5211		**715-668-5710**		**olynick@centurytel.net**	

1. *What are the Standard Industrial Classification (SIC) codes for your company's nonmetallic mining operations?*

   ☐ *1410 Dimension Stone* ☐ *1420 Crushed and Broken Stone* ☑ *1440 Sand and Gravel*
   ☐ *1450 Clay, Ceramic & Refractory* ☐ *1470 Chemicals & Fertilizers* ☐ *1480 Nonmetallic Mineral Services*

   Others?

2. Has your company been issued any other wastewater (WPDES) permits that authorize the discharge of other wastewaters (such as from asphalt or concrete operations) to Wisconsin surface or underground waters?

   ☑ Yes List the site names and WPDES permit numbers:

   ☐ **See attachment**

3. To the best of your knowledge, do any of your operations have process wastewater (from aggregate washing, pit dewatering, stack scrubbing, boiler blowdown, etc.) that contains any of the substances listed below? _____ Do any of your sites have stormwater that comes in direct contact with any of the substances listed below? _____ Check all the substances that apply.

   ☐ 4,4'-DDD ☐ 4,4'-DDE ☐ 4,4'-DDT
   ☐ alpha – BHC ☐ Dieldrin ☐ Chlordane
   ☐ Mercury ☐ Mirex ☐ Octachlorostyrene
   ☐ Photomirex ☐ PCB ☐ Pentachlorobenzene
   ☐ 1,2,3,4-Tetrachlorobenzene ☐ 1,2,4,5-Tetrachlorobenzene ☐ 2,3,7,8-Tetrachlorodibenzo-p-dioxin
   ☐ Toxaphene ☐ gamma - BHC (Lindane) ☐ tech. – BHC
   ☐ Hexachlorobenzene ☐ Hexachlorobutadiene
   ☐ Other substances that are known to be harmful to human health or aquatic life (such as solvents or dissolved metals)

   If you answered yes to either question above, and <u>any</u> of the above substances are checked, you may be required to segregate that wastewater and not discharge it to waters of the state. If you wish to pursue obtaining a permit to discharge wastewater containing these chemicals, indicate that you want the Department to send an application for a site specific WPDES discharge permit by checking here ☐.

   Check here ☑ if none of the above substances are expected to be in the discharge.

4. To the best of your knowledge, have any leaks, spills, overflows or similar instances resulted in contamination of stormwater runoff from any of your nonmetallic mining operations in the last three years?

☐ Yes List the site names and actions taken to prevent future problems, (attach additional sheets if necessary).

☑ No

Section II: Site/Property Information – To be completed for coverage of individual mine sites. Make copies of this section or use a table format to apply for more than one mining site. (Go to Section III to apply for a mobile equipment operation whose sites are not known at this time)

Site/Property Name	Site/Property Identification # [FID] (if known)
MB Pit	

Contact Name Last	First	MI	Title
Markowski	**Walter and Christine**		**owner of leased property to Olynick**

Street Address	City	State	Zip Code
32556 100th Avenue	**Boyd**	**WI**	**54768**

Property location: County	Township	Range	Section	Quarter	Qtr/Qtr	Lat/Long-GPS Coordinates (if known)
Chippewa	**29** N	5 ☐ E ☑ W	**16**	**SW ¼ -NW ¼, NW ¼ -SW ¼,**		

of Section, Sixteen(16), Township Twenty-nine (29) North, Range Five (5) West, Approx. 30 acres, Township of Delmar.

Phone Number	Fax Number	E-mail address (if available)

Attach a site map, such as an air photo, USGS topographic map or survey map, showing the mining site location, the nearest public roadway and surface water resources within 1000 feet. Wastewater treatment, seepage and discharge points should also be shown.

1. What is the flow pattern of stormwater run-off at the site?

The existing pit is currently internally drained but needs to be externally drained or dewatered. This site will drain into the existing pit to the south.

☑ Externally Drained – storm water that contacts mining areas, processing areas or stockpiled materials runs beyond the site property boundary. External drainage includes storm water to ponds or drainage channels that overflow to areas outside of the mining site property boundaries.

☐ Internally Drained – storm water runoff is captured within the mining site. All storm water that contacts mining areas, processing areas or stockpiled materials runs off to onsite seepage areas or ponds that retain the water within the site property boundaries.

☐ Internally Drained, but the storm water is discharged to on-site protected wetlands or other on-site natural surface water resources.

2. Briefly describe the industrial activity at this site. What Standard Industrial Classification (SIC) code would the operation be included under? Are there any adjacent mining, concrete or asphalt operations?

The site is currently agricultural. There is an operating non-metallic mining site adjacent to the proposed site.

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☐ G. P. Coverage

☐ Individual Permit

☐ NPR

3. Is this site to be "permitted" for the discharge of mining wastewater (such as from mine dewatering pumpage, product or equipment washing, cooling, etc.) to surface waters, wetlands or seepage areas?
   ☑ Yes, and section IV has been used to describe the mining process wastewater discharges
   ☐ No

4. Check here ☐, if ALL of the site's process wastewater and stormwater goes to a municipal or sewerage district treatment plant that has its own WPDES discharge permit. Such a mining site does not need an additional WPDES permit. If future operations at this site result in a direct discharge to waters of Wisconsin, you will need to inform the Dept.

Section III: Mobile Unit Information – To be completed for coverage of a machinery group or "spread" that operates at a number of sites.

This section may be copied for describing multiple machinery groupings. Also, complete property descriptions (using section II, above) for any known or expected operating sites, so that discharge permit eligibility can be established prior to the start of operations.

Mobile Unit Operator Name/Contact	Last	First	MI	Title
John S. Olynick, Inc.	**Olynick**	**Ron**		**President**

Facility Identifier (FID) # (if known) — Anticipated Sites for Mobile Unit Operation [attach additional sheets if necessary and check here ☐]

Phone Number	Mobile Phone Number	E-mail address (if available)
715-668-5211	**715-314-0100**	**Olynicks@centurytel.net**

Number of Wash plants	Number of Crushing plants
2	**2**

Section IV: Mining Process Wastewater Information – To be completed for sites or equipment that discharge wastewater generated during the process of mining.

(This section may be copied for multiple sites or machinery groupings)

1. Indicate the **receiving water** for the process wastewater discharges. Check all that apply. (**NOTE**: Part 3, below, describes types of process wastewater. An outfall is an individual discharge point , such as a seepage pond bottom, or a sewer pipe, channel, or ditch that conveys the wastewater to underground water or surface water resources).

☑ **Seepage to Groundwater** (this includes infiltration of wastewater through the soil via drain fields, seepage areas, pond bottoms, ditches, trenches, etc. that do not reach surface water resources).
a. Outfall #(s):1

☑ Discharge to **Surface Water Resources** (this includes surface water drainage ways that contain aquatic life, tributaries, protected wetlands, creeks, streams, rivers, lakes, etc):
a. Outfall #(s):1

b. How far is it from the discharge point to a surface water resource (i.e. distance traveled through storm sewers or drainage ditches)? ☑ Less than 1000 feet ☐ Between 1000 and 5000 feet ☐ Greater than 5000 feet

c. What is the first named surface water the discharge enters? Coldwater Creek

d. If the discharge is to a wetland indicate whether it is believed to be ☑ natural or ☐ artificial

☐ **Municipal or Sewage District Treatment Plant** – Outfall #(s):
These discharges would travel in a sanitary sewer to an off-site treatment facility that has its own WPDES permit.

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☐ Eligible

☐ Ineligible
☐ ERW
☐ ORW

☐ NR 103 Completed

☐ NPR

Additive follow-up necessary:
☐ Yes
☐ No

2. Are water treatment or conditioning additives used in waste streams that are discharged to surface waters or seeped into groundwater?

☑ No No water treatment additives (such as, separation aids, boiler treatments, scale/rust inhibitors, biocides, chlorine, etc.) are used.

☐ Yes Additives are used and **described in Appendix A**. Are any of the additives considered a biocide? ☐ No ☐ Yes (Biocides are designed to control biological growth, such as algae, in tanks, cooling towers, and other equipment)?

3. **List the Process Wastewater Types and Flows**. Common types of mining process wastewaters are listed below. "Other" process wastewater types could be softener regeneration wastewater, scrubber water or wastewater from internal building floor drains. Dust suppression water may be omitted if there is no runoff. Outfalls described below should be located on the site map requested in Section II, page 2.

Type of Wastewater (check all that apply):	Outfall # (#1, #2, etc.)	Average Daily Flow (gallons per day)	Type of Wastewater (check all that apply):	Outfall # (#1, #2, etc.)	Average Daily Flow (gallons per day)
☐ Washwater Associated with Material Processing	#		☐ Sanitary wastewater from toilets, sinks, etc. *If the sanitary waste-waters are **not** mixed with the mining process water, write the **type** of sanitary waste treatment system in the daily flow column in place of a flow estimate.*	#	
	#			#	
	#			#	
☒ Mine Site Dewatering	# 1		☐ Other (describe type)	#	

	#			#	
	#			#	
☐ Noncontact Cooling Water, Condensate or Boiler Water	#		☐ Other (describe type)	#	
	#			#	
	#			#	
☐ Vehicle or Equipment Washwater	#		☐ Other (describe type)	#	
	#			#	
	#			#	

Section V: Signatory Requirements

Information about the person completing this form:

Name, Last	First	MI		
Story	**Troy**	**R**		
Street Address		**City**	**State**	**Zip Code**
Design 45	**45 East Elm St.**	**Chippewa Falls**	**WI**	**54729**
Phone Number	**Fax Number**	**Email Address (if available)**		
715-202-0530	**715-723-3838**	**tstory@design-45.net**		

Title of the person completing the form.

Design Technician

Check here if you should receive Discharge Monitoring Reports (DMR's) for annual reporting of discharge test results. ☐

Official Representative's Signature. This form must be signed by the official representative of the permitted facility who is: the proprietor for a sole proprietorship; a general partner for a partnership; a principal executive officer, ranking elected official or other duly authorized representative for a unit of government; a member or manager for a limited liability company; or, for a corporation, an executive officer of at least the level of vice president, or by the executive officer's authorized representative having overall responsibility for the operation of the facility. If this form is not signed below, or is found to be incomplete, it will be returned.

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete and accurate.

Ron Olynick — Printed or Typed Name of Official Representative

Owner — Title

Ronald J Olynick — Signature of Official Representative

6/1/15 — Date

MAIL COMPLETED APPLICATION TO:

Insert Regional Department Address Here

For Department Use Only

Date Application Received:

Date permit coverage approved:

Status: ___ Denied
___ Approved
___ Specific permit

Internally Drained - Yes No
SWPPP Required - Yes No
Site Number or FIN:

AFSCI Frequency – Annual 1 per 3 years
Contaminant Control System Insp. - ¼ly 1 per 3 years
Visual Runoff Quality Check - ¼ly 1 per 3 years

Comments:

APPENDIX A - WATER TREATMENT ADDITIVE INFORMATION

[Use this appendix to provide details on the additives affirmed to be used in question #2, Section IV on page 3]

Submit the following information for each water treatment or conditioning additive that could be contained in the wastewater discharged to seepage or surface waters:

a. Commercial name, and the amount or concentration of the additive that will be used.
b. Proposed frequency of usage, and the anticipated discharge concentration of the additive.
c. Material Safety Data Sheets (MSDS's) for each additive.

NOTE: The information requested in this section should be available from your additive supplier

If your discharge enters a surface water, you must also submit the following information:

d. At least one 48-hour LC_{50} or EC_{50} value for Daphnia magna and at least one 96-hour LC_{50} or EC_{50} value for fathead minnow, rainbow trout, or bluegill.

If available from suppliers:

Outfall #	Additive Name and Manufacturer	Additive Type Biocide, pH adjuster, scale, inhibitor, rust inhibitor, etc.	Amount or Concentration Used (mg/l or lbs/day)	Anticipated Discharge Concentration (mg/l)	Frequency of use (Continuous, 1x/week, etc.)	Daphnia Magna 48-HR LC_{50} or EC_{50} (mg/l)	Fathead Minnow 96-HR LC_{50} or EC_{50} (mg/l)	Rainbow Trout 96-HR LC_{50} or EC_{50} (mg/l)	Blue Gill 96-HR LC_{50} or EC_{50} (mg/l)

ATTACH MATERIAL SAFETY DATA SHEETS (MSDS's) TO BACK OF THIS APPENDIX