

**Your County Weed Control**  
**Address**  
**Email**

## Weed Management Plan

This Weed Management Plan provides guidance for identifying and controlling noxious and troublesome weeds on small properties or project sites. It documents areas that are currently infested, or at risk of becoming infested, and sets clear responsibilities for prevention and control.

This Weed Management Plan provides guidance for identifying and controlling noxious and troublesome weeds on small properties or project sites. It documents areas that are currently infested, or at risk of becoming infested, and sets clear responsibilities for prevention and control. Per North Dakota Century Code 4.1-47: *Each Person shall do all things necessary and proper to control the spread of noxious weeds.*

### Compliance and Enforcement

This Weed Management Plan is a condition of approval for the associated Conditional Use Permit. While the Conditional Use Permit is valid for a period of five (5) years, continued operation is contingent upon compliance with this approved Weed Management Plan.

1. **Inspections** County Weed Control reserves the right to conduct periodic inspections of the permitted site to verify compliance with this plan.
2. **Non-Compliance:** If an inspection identifies non-compliance, the operator/landowner will be issued written notice and provided with a specified deadline to bring the site into compliance.
3. **Failure to Remedy:** Failure to correct deficiencies by the stated deadline may result in suspension or revocation of the right to operate under the approved Conditional Use Permit.
4. **Responsibility:** All costs associated with corrective actions, weed management, or enforcement measures shall be the responsibility of the operator/landowner.

Date \_\_\_\_\_

Circle One:

PRIVATE

COMMERCIAL

Name of Landowner: \_\_\_\_\_

Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

Address of Landowner: \_\_\_\_\_

Name of Party Responsible for Weed Control (if different than Landowner):  
\_\_\_\_\_

Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

Address of Responsible Party:  
\_\_\_\_\_

GPS Coordinates of Property: \_\_\_\_\_

Legal Description of Property: \_\_\_\_\_

Approximate Size of Property: \_\_\_\_\_

Purpose of Property:

Surface Movement for Commercial Construction Purposes (circle or highlight one):

Scoria    Manure    Dirt    Sand    Gravel    Construction    Other \_\_\_\_\_

**Weed Control Actions:** Knowing which weed species occur on your property and where they are located is essential for setting control priorities. Different weed species pose varying levels of threat to your property and differ significantly in how susceptible they are to control measures. Clearly defined weed control actions should be developed as part of your Weed Management Plan. Failure to follow the approved Weed Control Actions may be considered a violation of this Weed Management Plan and the County CUP.

*Detailed Weed Management Plan will follow.  
(See Example Pages & follow check list to help develop your plan)*

**\*\*\*\*\*Detailed Weed Management Plan Check List\*\*\*\*\***

- Legal Description of Location and GPS coordinates
- Map of Location (Google Maps or Sidwell or FSA maps)
- Site Pictures (Taken during first inspection)
- Pre-Construction spray plan
- \*List all herbicides used\* (Include labels)
- Haul routes weed control plan
- Maintenance spray plan (during project)
- Post-Construction reclamation plan

See Detailed Example plan below:  
Detailed Plan needs to be in your own words (not copied)  
& should be provided for each proposed pit location.

## DETAILED EXAMPLE PLAN OF TWO PITS IN SAME AREA

Date:  
Company Name:  
Contact Person:  
Address:

**SUBJECT: Gravel Pit Weed Management Plan for *COMPANY NAME*.**

Legal Description and GPS Coordinates of proposed gravel pit area (*XXX-XX Sec X*)

Proposed gravel pit site has *XX* acres which fall in the *XX* of the section roughly between the *XX 1/4* and the *XX 1/4*. Access to these sites would be off from *STREET* between *LANDOWNERS*. Entry into the proposed pit area is clear of noxious weeds on state and county lists. The proposed pit site would be on land that is currently cultivated for *PASTURE OR CROPS, ETC*, while this will speed up the process of opening the pit, extra care will need to be used in herbicide selections on the pit reclamation program due to this. Products should be chosen that would allow the possibility of planting crops back into the site after the pit is closed and turned back to the land owner.

Please see attached maps showing possible entry sites into proposed gravel pit areas off from *STREET*

### Opening Pit Plan:

This part of the plan would be for opening the active mining area in the proposal as mentioned in the Management Plan.

I suggest spraying the area to be opened prior to the removal of any topsoil with some type of glyphosate herbicide. I suggest a minimum of *spray rate and surfactants / per acre*.

This would be applied to the areas that will be mined (active pit area) and to the sites that the overburden or reclamation soil piles or the material piles will be put. These areas would be staked and all areas within the stake boundaries applied.

This would be completed at least four (4) weeks prior to any mining beginning. If mining is postponed then this would be completed at least twice within an 8 to 10-week period but not to exceed two applications per acre per year, of *chemical name* at these rates before active mining begins.

If gravel pit mining site is to be opened during the winter months, then the site would be treated mid-summer and again mid-fall with the glyphosate spraying program, this will allow any noxious weeds within the mining site to be treated and killed and any possible re-growth from noxious weed seed stock in the soil to be treated as well before any topsoil is removed and stockpiled with a winter opening of the site.

This program would include all access or haul roads that may be built into the sites as well; these would be treated with this program prior to road construction, overburden removal, etc.

**I would suggest that the proposed pit sites be treated as follows;**

The proposed *XX* Pit is treated at least twice with this program before any active mining would begin. Treatments should be four (4) weeks apart if *list noxious weed(s)*, is/are actively growing, all areas that would be in the active mining area would be treated (approximately *XX* acres +/-), this is to help eliminate any *list noxious weed(s)*, currently growing there and to help in the possible movement of seed by doing a secondary application (new plants growing from exposed seed that may germinate and grow in this time period).

After this program has been completed then I would suggest taking at least four (4) inches of topsoil/overburden off from the site before mining and stock piling this to try to capture any remaining seed that might be in the soil. You might not capture all the seed or plant parts but you will greatly reduce the amount that might end up in the processed materials and be spread.

The proposed *XX* Pit be treated the same as above if opening of this pit is planned at the same time as the other or vice versa for the *XX* Pit site, if not please see example below.

**Suggested Chemicals and rates per acre are as follows:**  
*Chemicals used and surfactants to control said weeds.*

All are to be tank mixed together and applied with at least *XX* gallons water (carrier) per acre for thorough coverages of all plants and grasses within the staked areas.

**Example:** If *XX* Pit is to be opened first then the approximate acreage of # acres would be sprayed twice in its entirety with glyphosate before stripping any top soils, this would include any haul roads proposed for the site.

If the *XX* Pit would be opened at a later date then the *XX* Pit areas would be sprayed for any state declared noxious weeds with a different chemical program until the time of opening that pit, then the area to be mined would be sprayed in its entirety with glyphosate prior to beginning any removal of overburden/topsoil, again this would be accomplished at least four (4) weeks prior to any active removal of any dirt or gravel, and should be accomplished at least one (1) to two (2) times before active mining depending upon current weed pressure.

The only change to this program would be if a site was opened at a later date, the site has been sprayed with products to control and ND State or County declared noxious weeds, the site is showing very little noxious weed pressure then, the glyphosate applications could possibly be dropped down to one (1) application about four (4) weeks prior to any excavation of any topsoil/overburden.

Either way, both proposed pit sites would be treated with some program from day one (1) of getting the CUP to proceed.

### **Overburden/Soil Stockpiles/Material Stock Pile Plan:**

Once the overburden soil has been removed and placed in the stock pile areas (for later use in reclamation) these piles will have to be monitored for noxious weed growth and treated as needed for noxious weeds. Spraying treatments of these topsoil stock piles may have to be done as many as three (3) to four (4) times per year in the first year or two.

The topsoil being removed for reclamation later will have the most noxious weed seed in it. You are removing the zone (the first 0 to 6 inches) that noxious weed seed will be found and piling them up into one condensed site. By doing this you will be exposing the noxious weed seed in this zone and these seeds will start to germinate and grow.

You should see the most growth from noxious weeds within the first two (2) years of stockpiling; you might have another flush of growth when you spread this topsoil back over the reclaimed areas as well.

These topsoil stock piles would be sprayed as needed as stated above to control any ND State or County declared noxious weeds and prevent any re-infestation into the pit areas.

## **Suggested Chemicals and Rates per Acre for Overburden/Stockpiles:**

### **First Year or Two on Stockpiles:**

#### **Chemicals used and rates / each year**

This may have to be sprayed two (2) to three (3) times in the first year or two after stockpiling, this will give you total vegetation control of any vegetation that might start growing but will not stop any new seed germination. These spraying applications will not sterilize the soil so it could be used right away for reclamation if needed.

**Special Note:** The reason we are requesting these piles be treated this way is, we want as many seeds as possible that have been moved to these piles to germinate and grow, by doing this we will lessen the amount that may be spread back onto the reclaimed sites later, therefore possibly reducing spraying applications on those sites later.

After the first year or two then we will switch to a maintenance plan on the piles and I suggest the following chemical program.

#### **Chemicals used and rates / 2<sup>nd</sup> year**

This spraying application will provide control of *list noxious weed* and any other declared noxious weed on the reclamation/topsoil piles; this should give you a longer extended control of these plants and would leave the grasses that might start to grow on the piles.

**Material Piles** should also be treated as necessary, if mined material is stockpiled for use later than any ND State or County declared noxious weed found growing in or around these piles should be promptly eliminated before going to seed. Either one of the above programs could be used on these piles as well.

## **Active Mining Pit Plan:**

Once the pit areas have been treated with glyphosate and top soils have been removed then we move to an active mining plan.

This would include the control of any ND State or County declared noxious weed within the pit areas or surrounding areas (buffer zones) to keep these sites noxious weed free and from producing any new seed.

In most cases these areas would be sprayed with an herbicide that is labeled for such sites as well as labeled for the weeds being controlled.

I suggest the following program for spraying the active pit areas and buffer zones around the active areas.

### **Suggested Chemicals and Rates per Acre:**

#### **Chemicals used and rates on the buffer zone**

Products will be tank mixed and applied with sufficient water for thorough coverage of targeted plants. All areas containing the noxious weeds of concern should be sprayed and a buffer zone around these areas to make sure there are no missed plants. This program should be completed at least twice a year to make sure any plants that might be re-growing after spraying or any new plants starting from seeds are controlled as well.

Timing of these spray applications would be before the targeted plants set seed, with *list noxious weed(s)*, that would be in the spring of the year (May or early June) applications, when the *list noxious weed(s) and biological maturity* Fall application (2nd possible application) would be early to mid-September time frame, same chemical program with the same rates per acre here as well.

**Special Note:** This spraying program would stay in effect through the life of the active mining on the site or **until all noxious weeds have been controlled on the site and through the buffer zone areas.** In most cases if the pit is being mined from day to day then new noxious weed growth should not be an issue in the pit area itself, if the buffer zones are maintained around the active pit areas then the risk of actually hauling new noxious weed seed out from the pit area is greatly lessened.

The active mining program would also include all haul/entry roads that are on the site and the required buffer zones along these.

Please remember, the immediate areas surrounding the active pits are extremely critical in these buffer zones, in most cases this is where dirt is disturbed, seeds will germinate and new plants could start to grow.

### **Buffer Zone Areas Plan:**

Plan would be that the following areas be used as buffer zones around the proposed pit areas. Buffer zone areas would be monitored for noxious weeds and treated. Monitoring would be done at least two (2) times each year to make sure there is no active re-growth of any noxious weeds within these required buffer sites.

This program could be used in any areas that no haying or grazing of domestic livestock will be allowed, it should be able to be used in the entire proposed pits sites.

### **Reclamation of Mined Pit Areas (noxious weeds only).**

Managing the noxious weed after the pit has been reclaimed; topsoil replaced and seeded should be as follows.

I suggest that a 3-year weed management plan for ND State declared noxious weeds be incorporated. This would entail watching the site and spraying any noxious weeds that may start growing within the site and buffer zone areas during the reclamation period and up to three (3) years after reclamation is complete and the land is turned back to the owner.

After site is seeded (with a clean certified weed free grass seed), after the seed has germinated and has grown to a point it could handle herbicide applications then any needed noxious weed control would proceed. Like the active mining spraying program this should be accomplished at least two (2) times each year to help control and prevent any noxious weeds from growing or setting seed.

While establishing grasses, if some areas would need sprayed, then I suggest maintenance of these with herbicides that would be softer on new seeded grasses. You might have to in the first year or two just spray with 2, 4-D amine type herbicides or products that are mixtures of 2, 4-D amine and other herbicides. This would most likely have to be done two (2) to three (3) times in the first year or so until grasses are well established and can handle the harsher weed control products.

Once grass is established then I would suggest the use of *chemical name* herbicide as the main herbicide to be used for any weed control as long as the site would be suitable for this application.

### **Yearly Inspection Proposal:**

Inspections would be completed by the Mountrail County Weed Control Officer at least one time each year and preferably two (2) times each year while the pit is being mined and during agreed to period of reclamation of the site.

Each inspection should include a sight survey of the site (visual to make sure no noxious weeds of concern exist), this may include taking photographs and drone visual footage. The Weed Control Officer should also **receive copies of weed spray application logs showing site has been sprayed for noxious weed(s) as directed by the plan.**

**Application spraying records should have areas treated for noxious weeds, timing of spraying, products used and their rates. These items should be on the spray records as minimum, copies of all spraying logs would be supplied to the Mountrail County Weed Officer upon request for their files.**

After the site visit the Mountrail County Weed Officer will either pass the site as meeting noxious weed management for that year or, should they find any areas of concern will contact the pit contractor of these concerns and then the pit contractor will immediately address these concerns for noxious weed control. After the areas of concern have been addressed by the pit contractor they will then contact the Mountrail County Weed Officer and let them know the problem area(s) have been treated and will supply them with the spraying records of the treatment area(s).

### **Additional Information:**

Following each inspection, the Weed Control Officer will provide a written determination of compliance. If deficiencies are identified, the operator/landowner will be notified in writing and required to correct issues by a set deadline. Non-compliance may result in enforcement action under the Conditional Use Permit (CUP) conditions.

By following this plan the possibility of moving noxious weeds from this site to another can be greatly reduced but not totally eliminated. There are always some variables that may exist and the plan may have to be changed from time to time to meet new needs or new weeds.

Any other products chosen for weed control applications other than these listed should at least meet the labeled standards of the currently chosen products or exceed them if possible.

Also, please remember, all products (pesticides) will have their limitations on what they can do, results can change due to environmental conditions, applicator errors, application timing, plant physiology changes over time and soil conditions.

All products chosen for use on this site and others are chosen for their environmental safety, wildlife safety, livestock safety and human safety and yet still be able to give the control needed on the noxious weeds present.

Copies of all the herbicide labels suggested for use are enclosed with this plan; products should be used only at labeled rates and on labeled sites.

The pesticide label is the "LAW" please remember that and use only according to labeled recommendations.

**Acknowledgment of Enforcement**

*By signing below, I acknowledge that compliance with this Weed Management Plan is a condition of the Conditional Use Permit (CUP). Failure to comply may result in suspension or revocation of the CUP and loss of authorization to operate the approved pit.*

Gravel Pit Contractor Name (printed) \_\_\_\_\_

Gravel Pit Contractor (Signature) \_\_\_\_\_

Date: \_\_\_\_\_

Landowner Name (printed): \_\_\_\_\_

Landowner Signature: \_\_\_\_\_

Date: \_\_\_\_\_

County Weed Board Representative Name: \_\_\_\_\_

County Weed Board Representative Signature: \_\_\_\_\_

Date: \_\_\_\_\_

***In signing this document, I understand that I will be responsible for noxious weed control on the property listed.***

Weed Officer  
Address  
Email  
Contact

# WEED CONTROL PLAN

To BE SUBMITTED WITH ZONING APPLICATION: \_\_\_\_\_

BILLINGS COUNTY WEED CONTROL BOARD  
PO Box 168 - MEDORA, ND 58645-0168  
OFFICE PHONE: (701) 575-2215 CELL: (701)218-0113  
Website: [www.bcwcb.com](http://www.bcwcb.com) Email: [kdillman@nd.gov](mailto:kdillman@nd.gov)

**INSTRUCTIONS:**  
Include photos or a map of the property  
Contact the BCWCB for approval of plan

**APPLICANT:** Name: \_\_\_\_\_  
Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Email: \_\_\_\_\_

**OWNER:**  Same as above Name: \_\_\_\_\_

**LEGAL DESCRIPTION OF PROPERTY:** Parcel Number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ Acreage: \_\_\_\_\_  
Qtr/Qtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
Existing Land Use: \_\_\_\_\_ Proposed Land Use: \_\_\_\_\_

**Type of Material in Pit:**  Gravel  Scoria  Sand  Clay  Top Soil  Rock  Other \_\_\_\_\_

**The applicant and all interested parties will cooperate to monitor and control the following invasive and noxious weeds as prescribed by the ND Century Code and Billings County:**

- |                      |                      |                   |
|----------------------|----------------------|-------------------|
| • Absinth Wormwood   | • Musk Thistle       | • Yellow Toadflax |
| • Canada Thistle     | • Palmer Amaranth    | • _____           |
| • Dalmatian Toadflax | • Purple Loosestrife | • _____           |
| • Diffuse Knapweed   | • Russian Knapweed   | • _____           |
| • Houndstongue       | • Saltcedar          | • _____           |
| • Leafy Spurge       | • Spotted Knapweed   |                   |

If any of the above listed noxious weeds are present on the site listed, please select the control methods below that will be used to control them.

**Method of Control:**  Mechanical  Chemical \_\_\_\_\_  Biological  Other \_\_\_\_\_  
(Check all that apply) (Herbicide)

## 4.1-47-02. Control of Noxious Weeds

1. Each person shall do all things necessary and proper to control the spread of noxious weeds.
2. No person may distribute, sell, or offer for sale within this state a noxious weed.

The site listed has been:  **Approved**  **Approve with Modifications**  **Rejected**  
*Modifications Required or Reason for Rejection:*

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Weed Control Officer

\_\_\_\_\_  
Date

***This plan is valid for one year from signed date.***

**Your County**

**Your Address**

**Gravel Pit Inspection Form**

**Date of Inspection:** \_\_\_\_\_

**Permit Number:** \_\_\_\_\_

Section, Quarter section , Township and Range of property.

Section: \_\_\_\_\_ Quarter Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

**GPS:**

**Owner Name** \_\_\_\_\_

**Operator Name** \_\_\_\_\_

**Address** \_\_\_\_\_

**Address** \_\_\_\_\_

**City State Zip** \_\_\_\_\_

**City State Zip** \_\_\_\_\_

**Phone** \_\_\_\_\_

**Phone** \_\_\_\_\_

**The following are State or County Listed Noxious Weeds**

Check if any are present:

**State Noxious Weeds:**

**County Noxious Weeds:**

- |                          |                          |
|--------------------------|--------------------------|
| Absinth Wormwood _____   | Purple Loosestrife _____ |
| Canada Thistle _____     | Russian Knapweed _____   |
| Dalmatian Toadflax _____ | Saltcedar _____          |
| Diffuse Knapweed _____   | Spotted Knapweed _____   |
| Leafy Spurge _____       | Yellow Toadflax _____    |
| Musk Thistle _____       | Houndstongue _____       |
|                          | Other _____              |

Initial the statement below:

\_\_\_\_\_ Pit area passes inspection.

\_\_\_\_\_ Pit does not pass inspection.

**Requirements**

Inspection shall include, but not be limited to surrounding ditches, top soil/gravel/sand piles, fence rows, roads, easements, rights-of-ways, working areas, storage areas and buffer zones surrounding the area. Certification shall be based on a reasonable and prudent visual inspection.

This certification terminates on: Date \_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_  
Weed Officer signature Date

Surface mining operation is compliant with N.D.C.C. 4.1-47 on the date inspected.

This only certifies that there are no noxious weeds present in or around the pit area, not on quality of product in the pit. Certified material may have viable seeds from previous years. Plant seeds are not killed by registered pesticides. Some Prohibited Weeds can reproduce by plant parts other than seeds.

# Certificate of Inspection & Compliance

## County Weed Control

The gravel pit, mining operation area, aggregate storage area and surrounding lands located at:

Qtr. \_\_\_\_\_, Sec. \_\_\_\_\_, Range \_\_\_\_\_, Township \_\_\_\_\_.

GPS location \_\_\_\_\_

Pit Name \_\_\_\_\_

Owned or operated by:

**Owner:**

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_, State \_\_\_\_\_ Zip \_\_\_\_\_

**Operator:**

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_, State \_\_\_\_\_ Zip \_\_\_\_\_

Has been inspected by the \_\_\_\_\_ County Weed Officer on

Date(s) \_\_\_\_\_

I certify that this gravel pit, mining operation area, aggregate storage area and surrounding lands in the area described above is in compliance with the North Dakota Noxious Weed Law NDCC 4.1-47. All state and county noxious weeds have been controlled. This certificate expires on \_\_\_\_\_.

\_\_\_\_\_

County Weed Officer

\_\_\_\_\_

Date

**Disclaimer:** This certificate does not ensure that the aggregate material is free of weed seeds from previous years. Plant seed cannot be killed by registered pesticides. Certification consists of a prudent and visual inspection for the year of certification for this pit. Previous years may have had seed drop that can still be viable.