Water Quality Site Evaluation & Plan for Horse and Livestock Facilities
Self-Assessment Worksheet

Originally developed by the Alameda County Resource Conservation District
Edited for the Livestock and Land Program by Ecology Action

GENERAL PROPERTY DESCRIPTION

Watershed: ___________________________

Nearest Creek (name): ___________________________

Distance from property line: ___________________________

Name/Ranch: ___________________________ Date: ____________

Street Address: ___________________________

City: ___________ State: ______ Zip Code: ___________

Total number of acres: _______

<table>
<thead>
<tr>
<th>Livestock</th>
<th>Type</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number of years at property: _______

Number of years livestock present: _______

Plans for future livestock? (circle one) Yes No If yes, describe below:

______________________________________________________________________
Does the property allow for additional livestock? [circle one] Yes No

Has the property historically housed livestock? [circle one] Yes No

If yes, describe:

______________________________
______________________________
______________________________

Do you have a site map? [circle one] Yes No
(If No, please draw or print a site map)

Describe your property:

A. What best describes the general/overall slope of your property?
   [ ] Flat or nearly flat land (slope less than 3%)
   [ ] Slightly sloping (slope 3% - 5%)
   [ ] Moderately sloping (slope 6% - 10%)
   [ ] Steep slope (above 10%)

B. Soil Type(s):
   [ ] Fine Sand    [ ] Very Fine Sand    [ ] Loamy Sand
   [ ] Sandy Loam  [ ] Very Fine Sandy Loam  [ ] Silt Loam
   [ ] Clay Loam  [ ] Silty Clay Loam  [ ] Silty Clay
   [ ] Compacted Base

C. Waterways (streams, ponds, storm drains, drainage ditches etc.) on or adjacent to your property – Please note if they have seasonal or year round flow and distances from property line:

______________________________
______________________________
______________________________

D. Are the above identified on your site map? [circle one] Yes No
(If No, please include on your site map)
Useful Tip: Include known or estimated distances on map
E. Number of and Size/Dimensions of:

<table>
<thead>
<tr>
<th></th>
<th>Total #</th>
<th>Dimension</th>
<th>Dimension (if applicable)</th>
<th>Dimension (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Pastures</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Corrals / Turnouts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Paddocks</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Stalls</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Arenas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Wash areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

F. Are the above identified on your site map? (circle one)  Yes  No
(If No, please include on your site map.)

Useful Tip: Outline all roofed areas on map

G. Do you have an identified manure storage area? (circle one)  Yes  No

a. Is it identified on your site map? (circle one)  Yes  No
(If No, please include on your site map)

H. Do you have a manure management plan? (circle one)  Yes  No
(If yes, please attach a copy to this document)

I. Do you have a dust management strategy? (circle one)  Yes  No

Please describe.______________________________________________________________

________________________________________________________

K. Do you have a mud management strategy? (circle one)  Yes  No

Please describe.______________________________________________________________

________________________________________________________
Technical Assistance Documents/References:

- http://www.livestockandland.org/Publications_and_Links/index.html
- Conservation Measures to Reduce Non-Point Source Pollution at Horse Facilities
- Conservation Practices for Horse Owners
- Horse Paddocks: Designed and Managed to Protect Water Quality
- Fall in Place: A Checklist for Preparing Your Horse Property for Winter
- 20 Things Every New Horse Owner Should Know

Identified items to be addressed/corrected:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Landowner management goals for property and natural resources:

Short term goals

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Long term goals

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
MANURE

OBJECTIVE 1: Manage stockpiled, accumulated, spread or stored manure to reduce/eliminate potential pollutants to local watersheds, surface water or groundwater.

Things to remember:

- Divert surface runoff (stormwater) and clean water away from manure and manure storage areas.
- Locate manure storage areas away from drainages and environmental water sources.
- Prevent leaching from manure into soil - especially in areas where groundwater protection is a priority.
- Cover manure.
- Make access to storage areas convenient, size them adequately and have a contingency plan for when waste volume exceeds capacity.

Manure Storage Areas

1. What is the calculated volume of manure in pounds AND cubic yards produced on site on a monthly basis?

   **Calculated:**
   
   A. Pounds: \( \frac{\text{# of horses} \times 45 \text{ lbs/day}}{\text{# of horses}} = \frac{\text{# of Horses} \times 45 \times 30}{\text{Lbs of manure/month}} \)

   B. Cubic Yards \((\text{yrd}^3)\): \( \frac{\text{# of horses} \times 0.75 \text{ ft}^3/\text{day}}{\text{# of horses}} = \frac{\text{# of Horses} \times 0.75 \times 30}{27 \text{ ft/yr}^3} = \frac{\text{Cubic yards of manure/month}}{\text{yd}^3/\text{month}} \)

   **ANSWER #1**

   \( \frac{\text{# of Horses} \times 0.75 \times 30}{27} = \text{Cubic yards of manure/month} \)

   C. Actual (if known):

   Pounds:______ lbs/month     Cubic Yards:______ yrd³/month

   **Note:** The average 1000 lb horse produces approximately 45 lbs of manure/day. Spatially that equates to approximately 0.75 cubic feet/day.
2. What is the calculated **volume of bedding** produced on site on a daily, weekly or monthly basis?**

   **Calculated:**
   
   A. Cubic Yards: \[ \frac{\text{# of Horses} \times 30 \text{ days/month}}{27 \text{ ft/yrd}^3} = \text{_____ yrd}^3/\text{month} \]

   B. Actual (if known):

   Cubic Yards:______ yrd\(^3\)/month

   Note: The average bedding usage is 1 cubic foot/day/horse.

3. What is the calculated **total volume of waste** generated Manure (Answer #1) and Bedding (Answer #2) on a monthly basis?

   **Calculated:**

   A. ____ yrd\(^3\)/month Manure + ____ yrd\(^3\)/month Bedding = ____ yrd\(^3\)/month

   Total volume Manure(Answer 1) + Total Volume Bedding (Answer 2) =
   Total volume of waste/month

   B. Actual (if known):

   Cubic Yards:____ yrd\(^3\)/month

4. **How often are the following areas cleaned:**

   **Stalls:**

   2x Daily ☐ Daily ☐ Weekly ☐ Other: ______________________

   **Paddocks, corrals and/or turnouts:**

   Daily ☐ Weekly ☐ Monthly ☐ Other: ______________________

5. What is the capacity of your manure storage area(s) in cubic feet? ________ ft\(^3\)

6. How many days, weeks or months worth of manure can the storage area contain? ____________________________

7. How frequently will you need to empty out the storage area(s)? ________________________________
8. Do you or will you use dumpsters or other waste hauler containers or drop boxes to store your manure and spent shavings until they are hauled off site?

☐ No – Skip to question 9  ☑ Yes – Please answer A – E

A. Type of containers: _______________________________________________

B. Container capacity: _______________________________________________

C. Frequency of removal:
   Weekly ☐ 2x Weekly ☐ Monthly ☐ Other: __________________

D. Name of Hauler/Service Provider: _________________________________

E. Is there all-weather access?  ☐ Yes  ☐ No
   If yes, describe access.
   If no, describe your contingency plan for loss of access due to weather, or to other causes (hauler unavailable):

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

9. Is manure and spent bedding stockpiled?

☐ No – Skip to question 10  ☑ Yes – Please answer A – S

C. Stockpile Area Specifications:

Area 1

<table>
<thead>
<tr>
<th>Length: _____ ft</th>
<th>Height: _____ ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: _____ ft</td>
<td>Capacity: _____ yrd$^3$</td>
</tr>
</tbody>
</table>

Area 2 (if applicable)

<table>
<thead>
<tr>
<th>Length: _____ ft</th>
<th>Height: _____ ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: _____ ft</td>
<td>Capacity: _____ yrd$^3$</td>
</tr>
</tbody>
</table>

D. Is the storage area covered by a roof?  ☐ Yes (answer below)  ☐ No (skip to D)

E. Does the roof drain water away from the storage area?  ☐ Yes  ☐ No
   i.e. Roof run-off does not drain through storage area

F. Is a temporary cover (i.e. tarp) utilized during months with precipitation?  ☐ Yes  ☐ No
G. Is the storage area located on an impermeable surface (i.e. concrete, engineered lined surface)?

☐ Yes – Skip to question J  ☐ No – Please answer F - I

H. How deep is the water table under or near the pile? _______________

I. Is groundwater protection a concern in the area?  ☐ Yes  ☐ No

J. What is the soil type and depth under or near the pile?

   Soil Type:_____________
   Soil Depth:______ft

K. How will you ensure that pollutants will not leach downward into the soil and groundwater?

__________________________________________________________

__________________________________________________________

__________________________________________________________

L. Is runoff near storage area diverted around or drained away from the area in a non-erosive manner?  Describe

__________________________________________________________

__________________________________________________________

__________________________________________________________

M. Where and what does this water drain into?  How does it get there? (drainage ditches, pipes etc)

__________________________________________________________

__________________________________________________________

__________________________________________________________

N. What best describes the area where your manure is stored?

☐ Flat or nearly flat land (slope less than 3%)
☐ Slightly sloping (slope 3% - 5%)
☐ Moderately sloping (slope 6% - 10%)
☐ Steep slope (above 10%)
O. Is your manure storage area located near a drainage way, spring, pond, creek or other waterbody?

☐ No – Skip to Q  ☐ Yes – Please answer N – Q

P. How far is the nearest natural water source? _______________________

Q. Is there a vegetated filter strip between the storage area and the water?  ☐ Yes  ☐ No

R. Describe different slope, soil and vegetation conditions between the storage area and the water.

________________________________________________________________________

________________________________________________________________________

S. What, When, Where and How of managing storage area:

Frequency of removal:

☐ Weekly  ☐ Monthly  ☐ Every ___ Months  ☐ Other:___________

When:

☐ Full  ☐ Compost Completed  ☐ Hauler Scheduled

☐ Other:_________________________________________________________________

Material removed from area via:___________________________________________

Is necessary Equipment Available?  ☐ Yes  ☐ No

T. Where is manure/bedding taken when the storage area is emptied?

________________________________________________________________________

U. Describe contingency plan(s) for storage area if you exceed capacity.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
10. List other manure stockpiling/storage plans not identified above:


11. Do you plan to spread manure on site?

☐ No – Skip to question 12  ☐ Yes – Please answer A – L

A. How will it be spread? ☐ Raw ☐ Aged ☐ Composted ☐ Other:_______

B. Spreading:

Location(s):__________________________________________________

Frequency:

☐ Daily ☐ Weekly ☐ Monthly ☐ Other:_________________

Method:______________________________________________________

C. Manure spread as: ☐ Fertilizer ☐ Soil Conditioner ☐ Both

D. Will it be disked in? ☐ Yes ☐ No

E. Type of vegetation present where manure is to be spread:

____________________________________________________________

F. Number of years manure has been spread in same location: _________

G. Describe contingency plan if your storage capacity is exceeded before manure can be spread.

____________________________________________________________

____________________________________________________________

H. Are manure spreading areas identified on site map? (circle one) Yes ☐ No ☐ (If No, please include on your site map)
I. Is there a vegetative buffer strip or grass filter strip between spreading area and drainage ways, wells or water bodies to trap pollutants?

☐ No – Needs to be addressed  ☐ Yes – Please answer J – L

J. How wide is/are the strip(s)? _______________________________________

K. Are they identified on the site map? (circle one)  Yes  No
   (If No, please include on your site map)

L. Filter Strip Condition:
   
   Slope:_____%
   
   Soil Type:_____________________
   
   Vegetation Condition in Filter Strip:___________________________

12. Are horses maintained in unroofed/uncovered areas such as paddocks, turnouts, corrals, pipe pens, arenas etc.?

☐ No – Skip to question 13  ☐ Yes – Please answer A – J

A. How often are paddocks, corrals, arenas etc. cleaned?

☐ 2x Daily  ☐ Daily  ☐ Weekly  ☐ Other: ______________________

B. How are they cleaned?  What equipment do you use?

_________________________________________________________________

C. Approximate slope of confinement area(s):_____%

D. Is there surfacing material applied to these areas?  ☐ Yes  ☐ No

   What kind in each area?

<table>
<thead>
<tr>
<th>Area</th>
<th>Surfacing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E. Is there adequate drainage in these confinement areas, or does water puddle or pond during and after storms?

- Yes - Drainage is adequate (No ponding or puddling)
- No - Drainage is inadequate

F. Does water run through or into confinement areas from adjacent hillsides, adjacent roofs or other adjacent water sources?

- No
- Yes - Identify the sources

G. Can this excess water be diverted away from the confinement areas?

- No
- Yes - Describe how

H. Describe measures implemented to prevent puddling or ponding of water in confinement areas.

I. Does water run off the confinement areas?  

- Yes
- No

J. Does water drain to a drainage way, seasonal waterway or year round waterway?

- No - Skip to question 13
- Yes - Please answer K - P

K. How far is the confinement area from the drainage way, creek, stream, pond or other waterbody?

L. Is there a grass filter strip between the confinement area and drainage way to trap manure and soil particles?

- No - Skip to P
- Yes
M. How wide is the filter strip? _____________________

N. Is it shown on your site map? (circle one)                  Yes       No
   (If No, please include on your site map)

O. Filter Strip Condition:

    Slope:_____%

    Soil Type:_____________________

    Vegetation Condition in Filter Strip:__________________________

P. Describe measures implemented to prevent confinement area manure and soil particles from draining into waterways.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

13. Which best describes your overall current manure management:

    □ Infrequent Removal, No cover on pervious surface
    □ Removed 2 times/week, Tarp cover on a pervious surface
    □ Removed 2 times/week, No cover on impervious surface
    □ Removed every other day, Tarp cover on impervious surface
    □ Removed 1 time/day, Permanent roof on a pervious surface
    □ Removed more than 1 time/day, Permanent roof on impervious surface
    □ Other, describe below:

________________________________________________________________________
Technical Assistance Documents/References:

- http://www.livestockandland.org/Publications_and_Links/index.html
- Composting Horse Manure
- 5 Easy Steps to Compost
- Horse Manure Management
- Using Manure in the Garden
- 5 Great Ways to Conquer Mount Manure

Identified items to be addressed/corrected:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Site improvement/development goals:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Identified changes/recommendations to management practices:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
DRAINAGE

OBJECTIVE 2: Keep waste water from horse facilities out of drainage areas, storm drains, surface water and ground water.

Things to remember:

- Keep clean water clean. Do not mix with waste water.
- Minimize the volume of waste water generated.
- Drain waste water into septic systems, sewer systems or designed and designated vegetated filter strips for treatment.
- Do not discharge waste water directly into storm drains, drainages, creeks, ponds etc.

Horse Wash Areas

1. Do you have designated horse wash areas at your facility?
   - [ ] No – Skip to next section
   - [ ] Yes – Please answer A – F

A. Is the horse wash facility at your site located near a drainage way, creek or pond?
   - [ ] No
   - [ ] Yes – Approximate distance: ___________

B. Does the wash area have a hard surface with a drain?
   - [ ] No
   - [ ] Yes

C. Where does the wash water drain into? ________________________________

D. Is the wash water “treated” (discharged into a grass filter strip, settling pond etc.) on site?
   - [ ] No
   - [ ] Yes – How? ______________________________________________________

E. Filter Strip Condition:

   Slope: _____

   Soil Type: ___________________

   Vegetation Condition in Filter Strip: _________________________________

   _________________________________________________________________
F. Are the wash area, drainage and filter strips identified on your site map? (circle one)  Yes  No
(If No, please include on your site map)

Stall Cleaning

1. Do you have indoor stalls with impermeable solid flooring (not soil or other permeable surface materials)?
   □ No – Skip to next section  □ Yes – Please answer A – D

A. Do you wash out your stalls with water containing soap or other chemicals?
   □ Yes  □ No

B. Where does the wash water drain? __________________________________________

C. Is there a plan for treating the dirty water? □ Yes  □ No
   If so, please describe: __________________________________________
   __________________________________________
   __________________________________________

D. List the frequency of and reason for stall washing:

   Frequency of cleaning:
   □ Daily  □ Weekly  □ Monthly  □ Other: ______________________

   Reason(s) for stall washing:
   __________________________________________

Roof Drainage

* Note: There is approximately 7.5 gallons of water in a cubic foot. Therefore 100 square feet (10 foot x 10 foot) of impervious area, such as a roof, will capture/yield approximately 62.5 gallons of rainwater with each inch of rainfall. This statistic may prove helpful in evaluating your current runoff management from barn and stall roofs.

1. Do you have gutters and down spouts on all barn, stall and paddock roofs?  □ Yes  □ No
2. Do the down spouts tie into a drainage system that keeps the clean water away from potential contaminants such as manure, urine or bare ground?  

   Yes  No  

3. Where do the gutters outlet?  

   ____________________________________________________________________  

4. If you do not have gutters, how is clean water kept out of potential contaminated areas (areas with manure, urine or bare ground)?  

   ____________________________________________________________________  

5. Stable/Covered stalls or roofed areas:  

   Area: ___________ft²  

Property Drainage  

1. Do you have drainage systems installed on your property?  

   Yes  No  

2. Do you have a backup plan in case of a system failure? Explain.  

   ____________________________________________________________________  

3. Is entire drainage system identified on your site map?  

   Yes  No  

   (circle one)  

   (If No, please include on your site map)  

4. Does the drainage that carries effluent water outlet into a filter area?  

   Yes  No  

   Explain:  

   ____________________________________________________________________  

   ____________________________________________________________________  

   ____________________________________________________________________
5. Do you combine your clean and dirty/soiled water into the same outlet area? ☐ Yes ☐ No

Explain:

________________________________________________________

________________________________________________________

________________________________________________________

**Paddock / Hardened Turnout Areas and Pens**

1. **Area**: ____________ft²

2. **Soil type**
   - ☐ Fine Sand ☐ Very Fine Sand ☐ Loamy Sand
   - ☐ Sandy Loam ☐ Very Fine Sandy Loam ☐ Silt Loam
   - ☐ Clay Loam ☐ Silty Clay Loam ☐ Silty Clay
   - ☐ Compacted Base

3. **Organic Matter**
   - ☐ <0.5% ☐ 2% ☐ 4%

4. **Slope**: ____________%

5. **Type of cover**:
   - ☐ None ☐ Native Vegetation ☐ Grasses
Technical Assistance Documents/References:

- http://www.livestockandland.org/Publications_and_Links/index.html
- Conservation Practices for Horse Owners
- Conservation Measures to Reduce Non-Point Source Pollution at Horse Facilities
- Stormwater Runoff Management at High Use Areas

Identified items to be addressed/corrected:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Site improvement/development goals:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Identified changes/recommendations to management practices:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
OBJECTIVE 3: Prevent grazing livestock from overgrazing pastures, eroding creek banks and damaging riparian (streamside) vegetation.

Things to remember:

- Maintain a minimum height of four (4) inches of grass on pastures (can be dry grass at the end of the season) to protect soil from erosion and to maintain plant vigor.
- Fence out livestock from creeks and ponds when possible; provide other sources of drinking water.
- Practice rotational grazing; divide up pastures and move livestock from one to another to allow pastures to rest and recover.
- Confine livestock in paddocks when pastures are wet or when forage is no longer available in pastures. Keep livestock out of the pastures during wet months.
- Develop water sources to attract livestock to remote portions of pastures.
- Manage weeds.

*Note: In this worksheet “Pastures” are considered to be areas where grass is grown for forage for livestock and maintained to prevent erosion; pastures are distinguishable from “Paddocks” in that paddocks are smaller in size and are considered confinement areas with little to no vegetative cover.

1. **Area:** ____________ft²

2. **Soil type**

   - [ ] Fine Sand
   - [ ] Sandy Loam
   - [ ] Clay Loam
   - [ ] Compacted Base
   - [ ] Very Fine Sand
   - [ ] Very Fine Sandy Loam
   - [ ] Silty Clay Loam
   - [ ] Loamy Sand
   - [ ] Silt Loam
   - [ ] Silty Clay

3. **Organic Matter**

   - [ ] <0.5%
   - [ ] 2%
   - [ ] 4%

4. **Slope:** ____________%

5. **Type of cover:**

   - [ ] None
   - [ ] Native Vegetation
   - [ ] Grasses

6. Do livestock graze in pastures located on your property?  [ ] No  [ ] Yes
7. Do you board livestock kept in pastures full time that do not have access to stalls or a paddock?

☐ No – Skip to question 3    ☐ Yes – Please answer A – B

A. How many? ___________

B. What is the size of the pastures? ________________________

8. Does the livestock have direct, unlimited access to drainage ways, stream channels or ponds?    ☐ No    ☐ Yes

If no, please explain:

9. Do you have more than one pasture?    ☐ No    ☐ Yes

A. Do you practice rotational grazing?    ☐ No    ☐ Yes

B. Do you irrigate any of your pastures?    ☐ No    ☐ Yes

10. Are livestock moved away from pastures, when necessary, to protect pastures from erosion and damage to the grass? (i.e. when the soil is saturated or when they have grazed it to four (4) inches or lower)    ☐ No    ☐ Yes

11. Do you confine livestock to paddocks or turnout areas in order to protect the pastures from excessive trampling or compaction?    ☐ No    ☐ Yes

12. Which best describes current condition of exclusionary fencing:

☐ No fencing
☐ Exclusion w/fenced stock crossing in water
☐ Fenced buffer to water way: 10’ or less
☐ Fenced buffer to water way: >30’ buffer
☐ Exclusion w/fenced stock crossing over culvert
☐ No access to water: >50’ setback / buffer
☐ Other, describe below:

________________________________________________________________________

________________________________________________________________________
13. Please list any additional measures or practices you employ to protect your pastures from overgrazing and/or erosion?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

14. Do you manage your pastures to limit or control weeds?  [ ] No  [ ] Yes

If yes, please explain:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

15. Which best describes current conditions of pastures:

[ ] No vegetation and no drainage controls
[ ] Drainage controls with no vegetation
[ ] Patchy/Sparse vegetation with no drainage controls
[ ] Vegetation with no drainage controls
[ ] Patchy/Sparse vegetation with proper drainage controls
[ ] Significant vegetation year round and proper drainage controls
[ ] Other, describe:

________________________________________________________________________
________________________________________________________________________
Technical Assistance Documents/References:

- [http://www.livestockandland.org/Publications_and_Links/index.html](http://www.livestockandland.org/Publications_and_Links/index.html)
- Dryland Pasture for Horses
- Pasture Management
- Five Keys to Better Pastures
- Creating and Using a Sacrifice Area for Horses
- Natural Solutions for Fertilizers, Weed Control and Pest Control

Identified items to be addressed/corrected:

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

Site improvement/development goals:

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

Identified changes/recommendations to management practices:

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________