

Conservation Security Program

Farmstead, Headquarters and
Livestock Feeding

2008 Self Assessment and Records Workbook



Name: _____

Farm/Ranch: _____



Self - Assessment on Other Land

Washington Natural Resources Conservation Service



The CSP Self-Assessment Workbook includes information and assessment tools for applicant eligibility, land eligibility, agricultural operation delineation, and soil quality and water quality on cropland, hayland, and grazing lands. If your entire agricultural operation meets the minimum level of treatment for soil quality and water quality, you may be eligible to enroll your operation in a Tier III contract.

In addition to meeting the minimum level of treatment for soil quality and water quality treatment under the CSP Self-Assessment evaluation, the entire agricultural operation must meet the quality criteria in the local NRCS Field Office Technical Guide for all existing resource concerns on your cropland, hayland, and grazing land. Any “Other Land” in the agricultural operation, must also meet soil quality and water quality requirements.

Other Land includes areas outside the boundaries of agricultural land, such as farmsteads, barnyards, feedlots, equipment storage areas, material handling facilities, greenhouses, and other domestic areas.

This Farmstead, Headquarters or Livestock Feeding, Self-Assessment and Records Workbook provides required worksheets that will be used to evaluate the current level of treatment for water quality concerns on the Other Land in your agricultural operation.

Complete the Land Use Self-Assessment on pages 3 and 4 of this workbook, and all applicable worksheets, according to the land uses on your other land. Example worksheets have been provided for reference. Use multiple copies of any of the worksheets if additional space is needed to record the management information for each land use in the same agricultural system.

After you have completed all the appropriate Self-Assessment worksheets, you will need to schedule an interview with a conservation planner in your local NRCS field office within the CSP watershed. During the interview process, NRCS will use the information in your CSP Self-Assessment Workbooks, benchmark inventory, management records, and other supporting documentation, to evaluate your CSP application.



Farmstead, Headquarters, or Livestock Feeding and Handling Areas

Note: This section is not required, except for the highest level of CSP.

These questions pertain if you wish to enroll your entire operation in CSP and help to determine if other areas within your operation meet basic program requirements.

Livestock Feeding and Handling Areas (production areas, including dairy, poultry, feeding operations, etc.)

1. Do you inspect for leaks in pipelines, manure storage, or transfer facilities and equipment?
 yes no na
2. Do you manage runoff from manure handling and feed handling areas?
 yes no na
3. Do you control runoff from traps, lots, and other livestock concentration areas?
 yes no na
4. Do you properly dispose of livestock mortalities?
 yes no na

Wells

5. Is the wellhead location appropriate and are protection components in place for all potential sources of contamination?
 - Sanitary well cap, tightly secured with a screened vent
 - Pitless adaptor
 - Other State-identified components
 - Surface runoff cannot reach the area immediately surrounding the well yes no na



6. Is your well cased?
- yes no na
7. Does the well casing extend above the ground (meets State and local standards)?
- yes no na
8. Are all abandoned wells properly plugged?
- yes no na

Fertilizer/Pesticide Storage and Handling Areas

9. Is the well located a safe distance from the fertilizer/pesticide storage site and/or mixing and loading areas?
- yes no na
10. If fertilizer/pesticide storage site is located on highly permeable soil (sandy soil), is there secondary containment?
- yes no na
11. Is rinse water from cleaning fertilizer/pesticide application equipment properly disposed of?
- yes no na
12. Are used pesticide containers properly disposed of?
- yes no na
-

If you answered no to one or more questions, you may not be eligible for CSP.



Farmsteads, Headquarters and Livestock Feeding Areas

This section is designed to assist in preparing the documentation necessary to participate in the CSP program.

Assessing Water Quality Risk from:

- **Pesticides**
- **Nutrients**
- **Organics**
- **Pathogens**

If you elect to enroll your farmstead, headquarters and/or livestock feeding area into CSP, water quality risks to both surface and groundwater must be addressed.

Use the appropriate water quality indicator tool(s) to determine the water quality risk(s) for your operation. If you score a “high risk” from one or more of the indicator tools you may need to reduce your risk by applying additional practices prior to becoming eligible for CSP on this operating unit.

Pesticide Storage, Handling & Disposal

Washington Natural Resources Conservation Service



Pesticide Storage, Handling, & Disposal Worksheet

Rating Item	Low Risk 4 Points	Low-Moderate Risk 3 Points
1. Amount stored	No pesticides stored at any time	Less than 5 gallon or less than 50 pounds of pesticide
2. Leaching or surface loss potentials	If no pesticides with intermediate or high leaching or surface loss potential stored on property	If most (>50%) pesticides stored have low or very low leaching or surface loss potential with only a few (<30%) intermediate and no high potentials
3. Formulation	All dry	Mostly dry (>50%)
4. Storage Area	Impermeable surface with curbs to contain leaks and spills	Impermeable surface, no curbs
5. Containers	Original containers clearly labeled and in good condition (no holes, tears, or weak seams)	Original containers in fair condition but with labels partially missing or hard to read
6. Mixing and loading practices	Impermeable surface with curbs to contain and sump to collect spills	Impermeable surface with curbs to contain leaks and spills, no sump
7. Location of mixing and loading areas	Located on impermeable surface with curbs to contain and all spills collected	Located on permeable surface over 100 feet downslope from well and over 500 feet from stream, pond, or drainage way
8. Handling	Closed system for all liquid and dry product transfers	Closed system for most liquids, some liquid and dry products hand poured, sprayer fill port easy to reach
9. Sprayer cleaning and rinsate	Sprayer washed out, rinsate collected, and disposed of at hazardous waste management facility	Sprayer washed out and sprayed on target field, rinsate collected and applied in next load on labeled crop
10. Container disposal	Unrinsed containers and bags taken to hazardous waste management facility	Multiple rinsed containers returned to Oregon Agricultural Chemical and Fertilization Association annual collection event
Pesticide Handling Rating		

Pesticide Storage, Handling & Disposal

Washington Natural Resources Conservation Service



Pesticide Storage, Handling, & Disposal Worksheet

Mod-High Risk 2 Points	High Risk 1 Point	Score
Between 5 and 50 gallons or between 50 and 500 pounds of pesticide	More than 50 gallons or more than 500 pounds of pesticide	
If most (>50%) pesticides stored have a low or intermediate leaching or surface loss potential with few (<30%) high potentials	If more than 30% have high potential	
Mostly liquid (>50%)	All liquid	
Permeable surface (wooden floor)	Permeable surface (dirt or gravel floor)	
Containers old showing signs of wear	Containers old with holes, tears, weak seams, and no labels.	
Moderately impermeable or concrete with some cracks, no curbs or sump	Permeable surface, spills soak into ground	
Located on permeable surface between 50-100 feet downslope or within 100-500 feet upslope of well and within 100-500 feet from stream, pond, or drainage way	Located on permeable surface within 50 feet downslope or within 100 feet upslope of well and within 100 feet from stream, pond or drainage way	
All liquids and dry products hand poured, sprayer fill port easy to reach	All liquids and dry products hand poured, sprayer fill port hard to reach	
Sprayer washed out on impermeable pad, rinsate collected and applied in next load on labeled crop	Sprayer washed out and dumped	
Disposal of unrinsed bags and containers on farm but at least 500 feet from surface water or a well	Disposal of unrinsed bags and containers on farm within 500 feet of surface water or a well	
Accumulative Score (Sum of above rating items)		
Average Score (Accumulative/ 10)		

Ratings:

3.6-4=Low risk, 2.6-3.5=Low to moderate risk, 1.6-2.5=Moderate to high risk, 1-1.5=High Risk

Nutrient Storage and Handling Worksheet

Washington Natural Resources Conservation Service



Nutrient Storage and Handling Worksheet

Ground & Surface Water Contaminants - Nutrients - Nutrient Storage and Handling					
Farm:					
Rating Item	Low Risk 4 Points	Low-Moderate Risk 3 Points	Mod-High Risk 2 Points	High Risk 1 Point	Score
1. Amount stored	None stored at any time	Less than 1 ton dry or 55 gallons liquid	Between 1 and 20 tons dry or between 55 and 1,500 gallons liquid	More than 20 tons dry or more than 1,500 gallons liquid	
2. Type of storage	Dry formulations covered on impermeable surface and spills collected. Liquid formulations on impermeable surface where spill can be contained	Dry formulations covered on clay soils, liquid formulations on clay lined secondary containment, most spill can be recovered	Dry formulations partially covered on loamy soils, liquid formulations on loamy soils, most spill cannot be recovered	No cover, dry and liquid formulations located on sandy soils, spills not recovered	
3. Containers	Original containers clearly labeled and in good condition (no holes, tears, or weak seams)	Original containers in fair condition but with labels partially missing or hard to read	Containers old showing signs of wear, high potential for leaks	Containers with holes, tears, weak seams, fertilizer leaking, and no labels.	
4. Mixing and loading practices	Liquid formulations handled on concrete surface with curbs to contain and sump to collect leaks. Dry formulations handled on clayey soils with spills collected	Liquid formulations handled on concrete surface with curbs to contain leaks and spills, no sump. Dry formulations handled on loamy soils most spills collected	Liquid formulations handled on concrete pad with some cracks, no curbs or sump, some spill collected. Dry formulations handled on loamy soils most spills not collected	Liquid formulation handled without a mixing/loading pad, permeable surface, spills soak into ground. Dry formulations handled on sandy soils spills not collected	
5. Location of mixing and loading areas	Mixing and loading practices contain all spills and leaks (Score low risk for rating item no. 4 above)	Located on permeable surface over 100 feet downslope from well and over 500 feet from stream, pond, or drainageway	Located on permeable surface between 50-100 feet downslope or within 100-500 feet upslope of well and within 100-500 feet from stream, pond, or drainageway	Located on permeable surface within 50 feet downslope or within 100 feet upslope of well and within 100 feet from stream, pond or drainageway	
6. Handling	Closed system for all liquid formulations. Dry product easily loaded. Very low risk of spill	Some liquid formulation hand poured, easy to load both dry and liquid product, low risk of spill	All liquids and dry products hand filled, fill port easy to reach, moderate risk of spill	All liquids and dry products hand filled, fill port difficult to reach, high risk of spill	
7. Cleanup and Disposal	Fertilizer sprayer or spreader washed out in the field. Rinsate (from liquid sprayer) collected and applied in next load on labeled crop	Fertilizer sprayer or spreader washed on pad at farmstead. Rinsate (from liquid sprayer) collected and applied in next load on labeled crop	Fertilizer sprayer or spreader washed at farmstead on permeable surface. Rinsate dumped at least 100 feet from well, stream or pond	Fertilizer sprayer or spreader washed at farmstead on permeable surface. Rinsate dumped within 100 feet of well, stream or pond	
Nutrient Storage Rating		Accumulative Score (Sum of above rating items)			
		Average Score (Accumulative/ 7)			

Ratings: 3.6-4=Low risk, 2.6-3.5=Low to moderate risk, 1.6-2.5=Moderate to high risk, 1-1.5=High Risk

Livestock Waste Storage Worksheet

Washington Natural Resources Conservation Service



Livestock Waste Storage Worksheet

Ground & Surface Water Contaminants - Nutrients, Organics & Pathogens - Livestock Waste Storage					
Farm:					
Rating Item	Low Risk 4 Points	Low-Moderate Risk 3 Points	Mod-High Risk 2 Points	High Risk 1 Point	Score
1. No on-farm storage facilities	Wastes hauled off farm for proper storage and disposal			Daily spreading of livestock wastes	
2. On-farm storage Manure stack or Liquid/Slurry storage	Manure stack covered; on impermeable surface; rainfall and runoff diverted. Concrete, clay lined, or other liquid tight design; designed and built to NRCS standards; properly maintained; no cracks and leaks.	Manure covered; on low permeable soil; rainfall and runoff diverted. Earthen structure built to NRCS standards and properly maintained.	Manure partially covered; on slightly permeable soils; some runoff collected. Not designed to NRCS standards; on slightly permeable soils; poorly maintained, some evidence of cracks and leaks.	Manure not covered; runoff not collected. Not designed to NRCS standards; on permeable soils; not maintained; leaks and cracks.	
3. Storage volume	Not full at end of rainy season; if liquid/slurry adequate capacity to hold 25-year, 24-hour storm; solids removed to avoid loss of storage capacity.	Not full at end of rainy season; if liquid/slurry not adequate capacity to hold 25-year, 24-hour storm.	Storage facility requires occasional emptying during the rainy season; if liquid/slurry not adequate capacity to hold 25-year, 24-hour storm.	Storage facility requires regular emptying during the rainy season; if liquid/slurry not adequate capacity to hold 25-year, 24-hour storm.	
4. Storage location	Manure stack or earthen pond located more than 500 feet from well, stream, pond, or drainageway. Or Liquid/slurry storage located more than 200 feet from well, stream, pond, or drainageway or has emergency containment dike for accidental spills or leaks.	Manure stack or earthen pond located between 250-500 feet from well, stream, pond, or drainageway. Or Liquid/slurry storage located between 100-200 feet from well, stream, pond, or drainageway	Manure stack or earthen pond located less than 250 feet downslope from well, stream, pond, or drainageway. Or Liquid/slurry storage located more than 100 feet downslope from well, stream, pond, or drainageway	Manure stack or earthen pond located less than 250 feet upslope from well, stream, pond, or drainageway. Or Liquid/slurry storage located 100 feet from upslope well, stream, pond, or drainageway	
Livestock Waste Storage Rating for Ground & Surface Waters		Accumulative Score (Sum of above rating items)			
		Average Score (Accumulative/ 4)			

Ratings: 3.6-4=Low risk, 2.6-3.5=Low to moderate risk, 1.6-2.5=Moderate to high risk, 1-1.5=High Risk

Livestock Confinement Area Management

Washington Natural Resources Conservation Service



Rating Item	Low Risk 4 Points	Low-Moderate Risk 3 Points
1. Location	More than 200 feet from well and more than 500 feet from stream, pond, or drainage way	Between 100-200 feet of well and between 250-500 feet from stream, pond, or drainage way
2. Livestock water source	Stock water in troughs, with overflow diverted to wastewater system	Stock water in troughs with overflow diverted from lot area. Stock excluded from streams or ditches.
3. Surface water diversion	All upslope and roof water diverted. Diversion and gutters well maintained.	Most upslope surface and roof water diverted. Diversions and gutters occasionally maintained.
4. Lot runoff control system	No yard runoff. Fully covered area or runoff from surfaced lot directed to waste storage facility.	All runoff collected from compacted, earthen lot. Solids mounded and collected or stored.
5. Yard cleaning and scraping	No yard (animals confined)	Every month or two lot smoothed, leveled, and regularly shaped.
6. Dairy cow concentration on yard	No yard. Confined to barn, roofed yard or pasture.	75 sf/a or more on fenced, curbed concrete pad and/or 400 sf/a on graded earthen surface. More than 1800 sf/a in exercise area.
7. Dairy replacements concentration	No yard. Confined to barn, roofed yard, or pasture.	More than 40 sf/a on fenced, curbed concrete pad and/or more than 150 sf/a on earthen yard.
8. Beef feeder concentrations	No yard. Confined to barn.	Barn and/or paved lot more than 50 sf/a. Earthen lot with mound more than 300 sf/a, or without mound more than 500 sf/a.
9. Beef cows/heifers concentrations	Barn, roofed yard or pasture.	Barn with paved lot more than 60 sf/a. Earthen with mound 400 sf/a or without mound 600 sf/a.
10. Sheep/ewes concentrations	No yard. Confined to barn, roofed yard, or pasture.	Barn and paved lot more than 20 sf/a. Earthen more than 40 sf/a.
11. Feeder lambs concentrations	No yard. Confined to barn, roofed yard, or pasture.	Barn and paved lot more than 10 sf/a. Earthen more than 25 sf/a.
12. Hogs/sows Concentrations	No yard. Confined to barn.	Shed and paved lot more than 30 sf/a.
13. Horses concentrations	No yard. Confined to barn, roofed yard, or pasture.	Earthen exercise lot more than 2,500 sf/a.
14. Poultry concentrations	No lot. In building.	
Livestock Confinement Area Rating		

Livestock Confinement Area Management

Washington Natural Resources Conservation Service



Mod-High Risk 2 Points	High Risk 1 Point	Score
Between 50-100 feet of well and between 100-250 feet from stream, pond, or drainage way	Less than 50 feet of well and less than 100 feet from stream, pond, or drainage way	
Live water fenced, with stock water provided in water gap.	Stock water provided by live stream or irrigation ditch.	
No surface water diverted. Some roof water collected and redirected. Gutters and diversions not maintained.	All water (surface and roof water) runs through the yard.	
Most of lot runoff diverted to filter strip and collected. Some solids removed.	Lot runoff uncontrolled. Solids rarely collected.	
Quarterly. Lot rough and irregular in shape.	Rarely. Lot poorly sited and developed for cleaning and scraping.	
50 sf/a or more on concrete pad and/or 200-300 sf/a on earthen surface. More than 1200 sf/a in exercise area.	Some concrete, less than 50 sf/a and less than 200 sf/a on earthen surface.	
40-20 sf/a on concrete and/or 75-150 sf/a on earthen surface.	Less than 75 sf/a on earth.	
No shelter. Paved lot with 30-50 sf/a. Earthen lot with mound 150-300 sf/a or earthen without mound 250-500 sf/a.	Paved less than 30 sf/a. Earthen less than 250 sf/a.	
Paved lot more than 30 sf/a. Earthen with mound 200-400 sf/a or without mound 300-600 sf/a.	Paved less than 30 sf/a. Earthen without mound less than 200 sf/a.	
Barn and paved lot 15-20 sf/a. Earthen 25-40 sf/a.	Barn and paved lot less than 15 sf/a. Earthen less than 25 sf/a.	
Barn and paved lot 5-10 sf/a. Earthen 10-25 sf/a.	Barn and paved lot less than 5 sf/a. Earthen less than 10 sf/a.	
Shed and earthen lot more than 10 sf/a	Shed and earthen lot less than 10 sf/a.	
Earthen exercise lot 1,000-2,500 sf/a.	Earthen exercise lot less than 1,000 sf/a	
Earthen lot of more than 4 sf/a.	Earthen lot of less than 4 sf/a.	
Accumulative Score (Sum of above rating items)		
Average Score (Accumulative/no. items rated)		



Conservation Records

Feedlot and Dairy Inventory

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Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



Operation Description

Complete this section if you have an animal feeding operation. If you have crop or hayland associated with this operation complete the Crop and Hayland section as well.

Type of Operation: Dairy (Dairy, Beef, Swine, Poultry, etc.)

1. EXAMPLE: Current Operation Description

Livestock Type	Number of Animals	Average Weight, Lbs	Dates Confined		Dates Grazed	
			Begin	End	Begin	End
Holstein Milker	225	1300	January	December	-----	-----
Holstein Dry Cow	30	1400	November	March	April	October
Holstein Heifer	40	600	December	March	April	October
Calves	60	250	December	December	-----	-----

2. EXAMPLE: Future Operation Description

Livestock Type	Number of Animals	Average Weight, Lbs	Dates Confined		Dates Grazed	
			Begin	End	Begin	End
Holstein Milker	350	1300	November	March	April	October
Holstein Dry Cow	35	1400	November	March	April	October

Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



1. Current Operation Description

<i>Livestock Type</i>	<i>Number of Animals</i>	<i>Average Weight, Lbs</i>	<i>Dates Confined</i>		<i>Dates Grazed</i>	
			<i>Begin</i>	<i>End</i>	<i>Begin</i>	<i>End</i>

2. Future Operation Description

<i>Livestock Type</i>	<i>Number of Animals</i>	<i>Average Weight, Lbs</i>	<i>Dates Confined</i>		<i>Dates Grazed</i>	
			<i>Begin</i>	<i>End</i>	<i>Begin</i>	<i>End</i>

Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



Water Waste Storage

4. EXAMPLE: Waste Water Storage Descriptions

Cow Preparation: Manual 3.0 gals/milker/day

Examples: Auto Single Cow: 5-15 gal/milker/day
 Auto Multiple Cow: 25-40 gal/milker/day
 Manual: 3-7 gal/milker/day

<i>Water Uses</i>	<i>Gallon/Wash</i>	<i>Number of Washes</i>
Bulk Tank (Manual: 30-50 gal/wash, Auto: 60-110 gal/wash)	60	2
Milkhouse & Parlor (300-700 gal/wash)	500	2
Pipelines (75-150 gal/wash)	75	2
Holding Area (500-1200 gal/wash)	-----	-----
Miscellaneous Equipment (25-35 gal/wash)	25	2

Lot Area Contributing to Liquid Storage Facility: Paved 36,875 Sq Ft Unpaved 0 Sq Ft

Is Paved Area Scraped Daily? YES NO

Roof Area Contributing to Liquid Storage Facility: 0 Sq Ft

Does Silage Seepage Enter Liquid Storage Facility? YES NO

<i>Existing Liquid Storage Descriptions</i>	<i>Volume (CF)</i>	<i>Is Storage Facility Roofed?</i>	<i>Surface Area of Unroofed Area</i>
50 Feet Diameter Concrete Tank	19,625	Yes	-----

Desired Liquids Storage Period: 120 Days

Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



4. Waste Water Storage Descriptions

Cow Preparation: _____ gals/milker/day

Examples: Auto Single Cow: 5-15 gal/milker/day
 Auto Multiple Cow: 25-40 gal/milker/day
 Manual: 3-7 gal/milker/day

Water Uses	Gallon/Wash	Number of Washes
Bulk Tank (Manual: 30-50 gal/wash, Auto: 60-110 gal/wash)		
Milkhouse & Parlor (300-700 gal/wash)		
Pipelines (75-150 gal/wash)		
Holding Area (500-1200 gal/wash)		
Miscellaneous Equipment (25-35 gal/wash)		

Lot Area Contributing to Liquid Storage Facility: Paved _____ Sq Ft Unpaved _____ Sq Ft

Is Paved Area Scraped Daily? YES _____ NO _____

Roof Area Contributing to Liquid Storage Facility: _____ Sq Ft

Does Silage Seepage Enter Liquid Storage Facility? YES _____ NO _____

Existing Liquid Storage Descriptions	Volume (CF)	Is Storage Facility Roofed?	Surface Area of Unroofed Area

Desired Liquids Storage Period: _____ Days

Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



Equipment and Manure Application Description

5. EXAMPLE: Nutrient Application Equipment Description

<i>Equipment</i>	<i>Description</i>	<i>Flow Rate (gpm)/ Volume (CF or Gal)</i>	<i>Spread Area (ft)</i>
Big Gun Sprinkler	Traveler	300 gpm	250 ft wetted diameter
Tractor Spreader	160 Bushel Tractor Spreader	199 CF	15 feet
Tank Wagon	-----		
Other	-----		

6. EXAMPLE: Fields and Crops Receiving Manure/Organic Application

<i>Field Number/ Name</i>	<i>Crop</i>	<i>Acres</i>	<i>Present Yield (units/acre)</i>	<i>Target Yield (units/acre)</i>	<i>Crop Condition (Good, Fair, Poor)</i>
1, 8-18	Irrigated Hay Pasture 14% Protein	187.5	6 ton	6 ton	Good
6, 7, 18	Dryland Hay Pasture 10% Protein	70	3 ton	3 ton	Good

Feedlot and Dairy Inventory

Washington Natural Resources Conservation Service



5. Nutrient Application Equipment Description

<i>Equipment</i>	<i>Description</i>	<i>Flow Rate (gpm)/ Volume (CF or Gal)</i>	<i>Spread Area (ft)</i>
Big Gun Sprinkler			
Tractor Spreader			
Tank Wagon			
Other			

6. Fields and Crops Receiving Manure/Organic Application

<i>Field Number/ Name</i>	<i>Crop</i>	<i>Acres</i>	<i>Present Yield (units/acre)</i>	<i>Target Yield (units/acre)</i>	<i>Crop Condition (Good, Fair, Poor)</i>

