

ANNUAL OPERATING INSTRUCTIONS

2011

AMSDEN C&H ALLOTMENT

TONGUE DISTRICT

BIGHORN NATIONAL FOREST

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Clarke McClung  
District Ranger

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Date

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Permittee

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Date

AMSDEN C&H ALLOTMENT  
2011 ANNUAL OPERATING INSTRUCTIONS

A. Before Entering the Allotment

1. Review all clauses of your term grazing permit and the information contained within these Annual Operating Instructions (AOI). Be sure to contact David, Zach or Tyler if you have questions or any portion of your grazing permit or these operating instructions is not clearly understood.
2. The current year's grazing fees must be paid before placing livestock on the National Forest.
3. Review Section G. - Maintenance of Improvements, and complete the necessary maintenance of assigned range improvements as described in that section.

B. Entering and Leaving the Allotment

The on-date for all the allotment has been tentatively set for July 16<sup>th</sup>. The actual date will be dependent upon forage development. Like the past 2-3 years, the month of June has started out with cool temperatures so it will be very important to watch the plant growth in your allotment to determine if there will be adequate forage available when livestock enter. We will be monitoring vegetative conditions as well and unless notified by a Forest Officer that a delay will be necessary, you may plan to place livestock on the allotment on the entry date shown on your 2011 Bill for Collection.

C. Authorized Numbers and Pasture Rotation

<b>Permittee</b>	<b>Authorized Livestock Numbers</b>	<b>Authorized Season of Use</b>
Lorraine M. Adelman	119 Mature	7/16-9/11
	2 Horses	7/01-10/07

<b>Pasture Sequence</b>	<b>Pasture Name</b>
1	Face
2	Arney's Cross
3	Cow Camp

This planned pasture rotation outlines the pasture sequence we have discussed for the 2011 grazing season. The Record of Decision (ROD) for the Tongue Allotment Management Plan (AMP) Final Environmental Impact Statement (FEIS) provides the flexibility to use adaptive management practices (e.g. use of temporary electric fence, use of riders and low stress handling techniques, combination of allotments, etc.) to help meet the allowable use and Grazing Response Index requirements described in Sections D and E below. We encourage you to consider management adjustments for your allotment that would make meeting these guidelines easier for your operation. To assure your management meets the intent of the ROD and does not negatively affect other resources, all proposed changes to these instructions must be discussed with and approved by David, Zach or Tyler prior to implementation on the ground.

D. Allowable Use/Herbage Left Guidelines

The allowable use/herbage left guidelines are designed to ensure that short-term effects of livestock grazing activities are within established parameters intended to provide for the long-health and sustainability of rangeland resources. The two general approaches used to measure actual use to determine if the guidelines were met are residual herbage left and utilization.

**Residual herbage left methods:** This is expressed as the amount of herbage left after livestock grazing and includes methods such as stubble height and visual obstruction methods (Robel pole).

**Utilization methods:** This is expressed as the amount of forage removed by grazing or trampling and includes methods such as paired plots and ocular estimates.

The following allowable use/herbage left guidelines will apply to all areas of your allotment. Total use by livestock and wildlife combined must not exceed any of these guidelines at the time livestock leave a pasture.

1. Upland Range Sites

Sites on sedimentary soils below 9,200 feet elevation (Excludes sites dominated by timothy and smooth brome)	Visual Obstruction Reading (VOR) of 5 or more bands for all applicable sites (readings of 4 bands or more acceptable).
All Other Sites (such as sites dominated by timothy and smooth brome, are located on granitic soils, or above 9200 feet elevation)	A. Maximum of 40% by weight in all pastures used prior to August 1 <sup>st</sup> . B. Maximum of 50% by weight in pastures used after August 1 <sup>st</sup> .

2. Riparian Range Sites

Herbaceous vegetation on all sites except areas suitable for water vole habitat.	A. A residual 5" stubble height on wide leaved carex species if livestock leave pasture prior to August 1st.* B. A residual 7" stubble height on wide leaved carex species if livestock leave pasture after August 1st.*
Willows	Maximum of 35% use of current years leaders by livestock.

3. Aspen Range Sites

Herbaceous vegetation within all aspen stands	A. 5" stubble height for all grasses and sedges when livestock leave a pasture*
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\* All stubble height guidelines stated for riparian and aspen range sites are the minimum required when transect measurements record the longest leaf length of all leaves readily available for livestock grazing for each plant measured. Leaves or portions of leaves trampled in the mud, lying on the ground or in water, protected by willows or otherwise unavailable to livestock are not to be included in the measurements. Transect measurements may also record the average length of all leaves available for grazing from each selected plant. If the average leaf method is used, all minimum guidelines shown in tables above will be adjusted downward 1".

Livestock must be moved to the next pasture or off the National Forest if in the last pasture when further use will exceed one or more of the allowable use/herbage left guidelines shown above. It is your responsibility to manage your livestock within each pasture to assure use does not exceed any of the above guidelines. This will require constant monitoring of the vegetation by you and/or your allotment rider and not just simply waiting for estimated calendar dates to determine the proper use period for each pasture. It is imperative you take whatever steps are necessary (use of riders, move salt weekly, reduction in total numbers, shorten length of grazing periods in pastures, etc.) to manage your livestock to assure all guidelines are met throughout each pasture.

It is also important to note the allowable use/herbage left guidelines shown above apply to all suitable range (riparian and uplands) within the allotment. To assist you with your responsibilities of monitoring the actual use, all monitoring measurements will be done using a key area concept. The key areas are generally those areas livestock have the tendency to graze first when placed in a pasture. Livestock also tend to graze these areas repeatedly. As a result, these areas will typically reach the allowable use/herbage left guidelines before any other area of the pasture. If actual use in these key areas does not exceed the allowable use/herbage left guidelines, then use in the rest of the pasture will most likely not exceed guidelines either (unless livestock are constantly pushed off the key areas to other portions of the pasture). The important thing to remember is actual use should not exceed any of the guidelines throughout the pasture and if our management causes a change in use patterns we may need to discuss a change in key area boundaries.

#### E. Monitoring

An integral part of the ROD for the Tongue AMP is the use of adaptive management. Adaptive management requires a continuous cycle of planning, implementing, monitoring and evaluation into our management approach and modifies future management based upon the results. Our best chance for success will be for permittees and Forest Service to cooperatively work together to read transects, interpret the data, and discuss any annual or long-term adjustments that may be necessary to meet the intent of the ROD.

The annual monitoring will primarily use a combination of the following three protocols:

1. **Carex Stubble Height:** Stubble height measurements will be taken using paced transects in all key areas with riparian range sites. The number and location of transects you need to read will depend on the area size and the variances of use levels. One transect within 3 feet of the waters edge may be sufficient in narrow riparian areas where use does not vary across the riparian zone. Two or more may be necessary in larger riparian areas or whenever use on streambanks (especially within 3 feet of the waters edge) is noticeably different from the rest of riparian zone. In large areas where use does not vary, locate two or more transects within 3 feet of the stream but if use varies across the zone, locate at least one transect within 3 feet of the waters edge and additional transects further away from the stream. Each transect will consist of 50 measurements with a recommended 10 or more feet between each measurement. Transects to determine the actual use must be read within 7 days after livestock leave each pasture. Photos of each transect are not required but would be helpful to substantiate your documentation.
2. **Robel Pole:** Visual obstruction readings (VOR) using a modified robel pole will be used to measure the remaining standing crop in all key areas with upland range sites on sedimentary soils below 9200 feet (excludes sites dominated by timothy, smooth brome or very dense sagebrush): A minimum of four paced transects will be read in each key area. Each transect

will consist of 20 stations with each station a minimum of 10 meters (approximately 33 feet) apart. At each station, four VORs (one in each cardinal direction) are recorded. Transects to determine the residual standing crop must be read within 7 days after livestock leave each pasture. Photos of each transect are not required but would be helpful to substantiate your documentation.

3. Grazing Response Index (GRI): GRI ratings will be determined for key areas within each pasture. Upland and riparian range sites, occurring in the same or separate key areas, will be rated independently of one another. It is important that you keep accurate records of the actual numbers of cattle, dates livestock graze in each pasture, monitoring data gathered, and any observations of plant development throughout the grazing season. This data will be useful if you choose to cooperate with David, or Zach to complete rating forms for key areas in your allotment. Like the allowable use guidelines, the ROD for the Tongue AMP requires livestock to be managed to consistently (4 out of every 5 years) provide a neutral to positive GRI rating for each pasture.

As in recent years, the Forest Service will be completing spot checks throughout the grazing season for consistency in meeting allowable use/herbage left guidelines and gathering information for the GRI ratings. You, however, remain responsible to manage your livestock to assure these guidelines are met and neutral to positive GRI ratings are achieved. I strongly encourage you to keep close watch of the growth cycle of the desirable forage plants to be able to adjust the length of grazing periods in each pasture as necessary and to complete spot checks of all key areas on a regular basis to assure actual use remains within the guidelines stated above. Feel free to give David or Zach a call at anytime during the grazing season to compare notes and/or to discuss potential GRI ratings for your pastures. I have enclosed copies of the data forms to assist you with your monitoring. Please remember any forms and/or photos submitted to our office will be placed in the allotment monitoring folder.

#### F. Key Areas:

Properly selected key areas give an indication of the overall acceptability of current grazing management to meet all resource objectives. These areas may be moved or redefined in future years if monitoring results indicate a change is necessary. The following is a list of the key areas:

Face Pasture:

1. That portion of Whitetail Creek in the N1/2 of section 32.
2. An area extending in a 1/4 mile radius around Amsden Creek Stock Pond (#489).

Arney's Cross Pasture:

1. Open parks in SE1/4 Section 36 and N1/2 Section 1.

Cow Camp Pasture:

1. The open park directly west of cow camp and horse pasture (NW1/4 NW1/4 of section 12).
2. An area extending in a 1/4 mile radius and between redwood tanks #540 and #541 (SE 1/4 Section 1).

#### G. Maintenance of Improvements

Part 2, Clause 8(i) of your term grazing permit states "...the permittee will maintain all range improvements, whether private or Government owned, that are assigned for maintenance to

standards of repair, orderliness, and safety acceptable to the Forest Service". A complete list of the improvements and designated maintenance responsibility is included in Part 3 of your term grazing permit. The initial maintenance of each improvement must be completed prior to the time livestock enter the pasture in which the improvement is located each year or in the case of allotment boundary fences prior to livestock entering the pasture on either side of the fence. For many improvements, maintenance will be on going and will require additional attention after livestock enter the pasture. The minimum maintenance required will be as follows:

Springs: All tanks are to be level, completely surrounded by dry ground and easily accessible by both cows and calves. The inlet and overflow pipes are to be free of crimps or breaks, completely buried or otherwise protected from livestock and capable of delivering water to and away from tanks without any water spilling in the immediate vicinity (20-30 ft.) of the tank. Livestock barriers over tanks must be sturdy and all poles and planks must be in good condition and nailed/bolted in place.

Wire Fences: Fences are to be in an upright, vertical position with all broken wires repaired, wires tight and properly spaced and all corner posts, braces, line posts, steel posts, stays, loops, staples, etc. replaced as needed. Wire spacing may be adapted to the needs of each fence but the bottom wire should be 16-18" off the ground and the top wire must be no higher than 42" above the ground. Gates are to be tight enough to prevent sagging but must be able to be easily opened and closed by the general public.

Buck and Pole Fences: Fences must be in an upright, serviceable position. Bucks that are spreading and lowering the overall height of the fence must be stabilized with a bottom brace or replaced. All poles must be nailed to bucks and all broken or rotting poles and bucks are to be replaced.

#### H. Range Improvement Projects

As discussed in our recent meeting, the following range improvement projects are planned for the 2011 grazing season.

1. Mock Ditch Pipeline:
  - a. Tap into the pipeline of tank #546 in the Northeast Trap, with a tee and gate valve, to augment flow from existing collection units.
  - b. Replace a portion of the old polyethylene pipe with new pipe of the same specifications.
2. Reconstruction of Tank #303. The existing redwood tank will be replaced with an 8 ft. dia. fiberglass tank.

Materials for these projects will be furnished by the Forest Service and permittee will provide labor/equipment for installation. Please contact David, Zach or Tyler when you get ready to start installation and to arrange a time to pick up the materials.

#### I. Salting Practices:

The proper use of salt can be used as a good management tool to help you achieve proper utilization. The following are guidelines that should be used when placing salt on your allotment. If you feel your management situation requires changes in these guidelines please contact David or Zach to discuss.

1. Scatter salt in its proper location prior to livestock entering the pasture.

2. Salt should be placed between water developments and at least 1/4 mile from water if at all possible. Salting near water just encourages cattle to stay nearby and should seldom be practiced.
3. Salt away from small parks, trails, roads and areas of concentrated public use. Salt should be placed in areas of rock outcrops, mature timber (other than aspen), or areas of dense sagebrush where the general public will not easily see it.
4. Change your salt location at least every year and preferably every time salt is placed within a pasture. Moving salt blocks 50-100 feet can prevent an area from becoming abused from salt placement year after year. Placing salt in areas of dense sage and changing location every 2-3 weeks or yearly (depending on length of grazing period) is an effective way to use cows to control sagebrush over small areas or create small pockets of grass within large areas dominated by sage.
5. Remove salt from an area when actual use in the nearby vicinity is approaching the allowable use standard. Livestock must be moved to the next pasture when proper use is reached.



ACTUAL USE RECORD - 2011

TONGUE R.D.

AMSDEN ALLOTMENT

BIGHORN NATIONAL FOREST

ACTUAL USE

Pasture	Number of Cattle	Date on Pasture	Date off Pasture

Losses: Numbers by age class and possible cause (Poison, natural or predator).

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Allotment Operating Cost:

Labor costs:

Rider \_\_\_\_\_

Transportation Cost \_\_\_\_\_

Improvement Maintenance

Horse Maintenance \_\_\_\_\_

Water \_\_\_\_\_

Fence \_\_\_\_\_

Other \_\_\_\_\_

Improvement Construction

Water \_\_\_\_\_

Fence \_\_\_\_\_

Other \_\_\_\_\_

Salt \_\_\_\_\_

Permittee signature \_\_\_\_\_ Date \_\_\_\_\_

PLEASE ATTACH ANY ADDITIONAL COMMENTS OR NOTES YOU WISH TO PLACE IN THE PERMANENT ALLOTMENT FILE.