
Central Valley Regional Water Quality Control Board

GUIDELINES FOR PREPARING AN OPERATION AND MAINTENANCE PLAN FOR LIMITED TIME AND LIMITED POPULATION BOVINE OPERATIONS

25 September 2018

The Bovine General Order (Order R5-2017-0058) requires that Limited Time and Limited Population bovine operations (as defined in Findings 4 and 5 of the Order) prepare an Operation and Maintenance Plan (O&M Plan or Plan). The O&M Plan must comply with Sections F and H of Attachment B to the Bovine General Order. These Guidelines are to assist in the preparation of such a Plan. They do not apply to Full-Coverage bovine operations, which are required to prepare a more comprehensive Waste Management Plan. Please refer to the Bovine General Order for more details.

Limited Time bovine operations must submit the O&M Plan to the appropriate Central Valley Water Board office by **31 December 2018**.

Limited Population bovine operations do not need to submit the O&M Plan to the Central Valley Water Board, but must keep it at their facility in an accessible place.

The purpose of the O&M Plan is to assist operators of Limited Time and Limited Population bovine facilities in protecting water quality by detailing the plans and procedures that need to be followed in order to protect groundwater and to prevent the discharge of waste or storm water from the production area to surface waters. If additional operation and maintenance plans and procedures beyond those listed in this guidance are needed to ensure that the goal of water quality protection is met, you should include those procedures in the Plan.

The O&M Plan should include the following sections:

1. Introduction;
2. Mortality Management Plan;
3. Standard Operating Procedures; and
4. Signed Certification Statement (for Limited Time Operations).

1. Introduction – At the beginning of the O&M Plan, please include the name and address of the subject bovine operation, the date the Plan was prepared or most recently revised, and the name and title of the person who prepared or revised the Plan.

2. Mortality Management Plan – Describe the procedures for disposal of dead animals, under both routine and emergency conditions, including name and contact information on any outside entity involved in carcass disposal for the bovine operation. Provide a narrative to address, at a minimum, the following issues:

1. Routine Conditions

- Describe the disposal method under routine conditions. For example: “rendered at ABC Rendering Company (telephone number XXX-XXX-XXXX)” or “hailed to ABC Landfill (telephone number XXX-XXX-XXXX).”

2. Emergency Disposal

- Describe the emergency procedures for short-term and long-term disposal if there are more carcasses than can be handled by routine procedures.

3. Standard Operating Procedures – Standard Operating Procedures for manure storage and removal. Provide a narrative to address the following:

1. Corral Maintenance:

- Cleanout measures;
- Frequency of cleanout;
- Place where removed material will be stored and for how long;
- Person or entity who will haul out removed material (name/phone number);
- Place where removed material will go;
- Procedure for identifying corral low spots; and
- Date each year when pre-winter corral maintenance, including grading, will be completed.

2. Corral Drainage:

- Date, prior to the wet season, when drainage system will be checked to ensure that it is functioning properly;
- Procedure to fix drainage system when it is not functioning properly; and
- Emergency plan if the drainage system fails during wet season.

3. Corral and Manure Storage Area Run-on/Runoff Controls:

- Describe run-on controls to keep clean water from flowing into corrals or storage areas;
- Schedule and procedures to maintain the run-on controls;
- Place where water goes if gutters are installed on covered corrals;

- Place where run-off goes from the corrals and manure storage areas;
- Describe run-off controls to keep water that has contacted manure from flowing off-site;
- Schedule and procedures to maintain run-off controls;
- Describe the procedures for installing (emergency) berms or other actions to control run-on and run-off from manure piles or corrals in the event of an unexpectedly heavy rainfall.

4. Feed storage

A. If feed is stored in a roofed structure:

- Explain the features that limit the entrance of precipitation (e.g., walls, berms, etc.).

B. If feed is stored outside:

- Explain how the feed is covered and whether the cover is waterproof;
- Type of surface (e.g., concrete, asphalt, compacted soil, etc.) the feed is stored on; and
- Place where run-off from the feed storage area goes.

5. Manure Storage

A. Limited Population Operation:

- Provide a plan to remove excess manure before the rainy season. Describe how the manure will be handled (e.g., land applied to cropland or exported). Include the date manure will be removed by.

B. Limited Time Operation:

- Person responsible for following weather reports during the rainy season;
- Features to limit entrance of precipitation if manure is stored in a roofed structure; and
- If manure is stored outside:
 - Describe the surface (e.g., concrete, asphalt, compacted soil, etc.) that the manure will be stored on;
 - Detail the procedures for weather-proofing stored manure and explain what type of weatherproof covering will be used; and
 - Person who is responsible for covering the manure with a weatherproof covering and a description of the place where the cover is kept.

4. Certification Statement – For Limited Time bovine operations, the O & M Plan needs to include the following certification statement from Section C.8 of Standard Provisions and Reporting Requirements (SPRR) (which is part of the Bovine General Order):

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Section C.7 of Standard Provisions and Reporting Requirements (SPRR) specifies that the certification above be signed by one of the following persons:

- a. For a sole proprietorship: by the proprietor;
- b. For a partnership: by a general partner;
- c. For a corporation: by a principal executive officer of at least the level of senior vice-president; or
- d. A duly authorized representative if:
 - I. The authorization is made in writing by a person described in Subsection a, b, or c of this provision;
 - II. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility, such as the position of manager. A duly authorized representative may thus be either a named individual or an individual occupying a named position; and
 - III. The written authorization is submitted to the Central Valley Water Board.