



Colorado Department
of Public Health
and Environment

Environmental Agriculture Program

Concentrated Animal Feeding Operations

Regulation No. 81 Facility Management Plan Checklist

Facility Information

_____	CONPC-_____
Facility Name	Registration Number
_____	_____
Completed by	Title

Please complete the following checklist to ensure that all required elements, as stated in Colorado Water Quality Control Commission Regulation No. 81, are contained in your Facility Management Plan (FMP) and maintained in one discrete location at your facility.

Production Area – Impoundments **Impoundments are not required at my facility.**

- Yes No 1 Documentation showing that impoundments are designed, constructed, and maintained so they are capable of storing the volume of all liquid manure and wastewater, including the runoff resulting from a 25-year, 24-hour storm or a chronic storm, whichever is greater, plus two feet of freeboard. [Regulation 81.6 (1)(a)(i)(A)]
- Yes No N/A 2 For new impoundments constructed or an existing impoundment that is expanded by 50 percent or more of the existing storage capacity after June 30, 2008 the facility will need to have the following documentation on-site:
- A. Documentation showing the location of where the seasonally high ground water level is compared to the depth of the impoundment liner bottom.
 - B. If this comparison is less than four between the seasonally high ground water and the bottom of the impoundment liner the facility will also need to have documentation showing that impoundment has been constructed and maintained in accordance with the design by a professional engineer registered in Colorado that accounts for hydrostatic pressure that may affect the integrity of the impoundment’s liner. [81.7(6)] ***Please ✓ N/A if your facility’s impoundments were constructed before June 30, 2008.**

- 3 Documentation prepared by a professional engineer registered in Colorado certifying that all impoundments used in the storage, treatment, evaporation, or discharge of wastewater are constructed and maintained that seepage from the impoundment will not exceed 1×10^{-6} cm/sec. [81.7(2)(a)(i)]
Yes No
- 4 **If No to item 3**, documentation of approval from the Ag Program that the impoundment meets an alternative seepage rate. [81.7(2)(a)(ii)]
Yes No
- 5 Records of weekly inspections of the exposed portion of the liner in earthen impoundments to identify physical changes or deficiencies that may affect the integrity of the liner. [81.7(2)(c)]
Yes No
- 6 Documentation that a depth marker, clearly marked in one foot increments and indicating the minimum capacity required to contain the applicable storm event (pump down level), is installed in all impoundments necessary to contain the 25-year, 24-hour storm or Chronic Storm, whichever is greater. [81.6(1)(b)]
Yes No
- 7 Documentation that required depth markers were installed in a manner that maintained the integrity of the liner and the required seepage rate of 1×10^{-6} cm/sec. [81.7(4)]
Yes No
- 8 Records of weekly inspections of depth markers and the wastewater level in each impoundment containing a depth marker. [81.6(1)(b)(i)]
Yes No
- 9 An approved Standard Operating Procedure (SOP) that demonstrates how manure or sludge will be removed from impoundments in a manner that prevents damage to the impoundment liner. [81.7(3)]
Yes No
- Documentation certifying that the approved SOP was followed each time manure or sludge was removed from an impoundment. [81.7(3)(d)] ***Please ✓ N/A if manure or sludge has not been removed from your impoundment(s).**
Yes No N/A

Production Area – Conveyance/Diversion Structures

*Please ✓ N/A if not applicable at your facility

1. Documentation that conveyance structures used to transport wastewater are designed, constructed and maintained so that they are capable of carrying the flow expected from a 25-year, 24-hour storm or Chronic storm, whichever is greater. [81.6(1)(a)(ii)(A)]
Yes No N/A
2. Documentation that wastewater conveyance structures are designed and maintained to convey but not store any manure or wastewater. [81.7(5)]
Yes No N/A
3. For wastewater conveyance structures that carry process-generated wastewater continuously (48 hours or less between conveyance events) documentation that the structure has been constructed and maintained to have a maximum seepage rate of 1×10^{-6} cm/sec. [81.7(5)(a)]
Yes No N/A

- Yes No N/A 4. Documentation that clean water diversion structures are designed, constructed, and maintained to divert stormwater from running onto the production area as appropriate. [81.6(1)(c)]

Production Area- Additional Requirements

- Yes No 1. Records documenting proper management of animal mortalities to ensure they are not disposed of in the wastewater storage system. [81.6(2)(e)]
- Yes No 2. Documentation showing that animals confined at the facility are prevented from having direct contact with surface water. [81.6(2)(f)]
- Yes No 3. Records documenting that chemicals and other contaminants are not disposed of in the wastewater storage system. [81.6(2)(g)]

Land Application

- Yes No 1. Do you land apply manure or wastewater on land application sites owned by or under your operational control? ***If No, skip the Land Application section of the checklist.**
- Yes No 2. Documentation of site-specific conservation practices to control runoff of pollutants from land application areas to surface water. [81.6(2)(a)(i)]
- Yes No 3. Results of annual manure and wastewater nutrient analyses for nitrogen and phosphorus content. [81.6(2)(a)(ii)(A)].
- Yes No 4. Results of the annual soil sampling analysis for each land application site for available nutrients, including nitrate-nitrogen. [81.6(2)(a)(ii)(B)]
- Yes No 5. Results of current phosphorus soil analysis. Note that the top one foot of soil at land application sites must be sampled and analyzed for available phosphorus once every 5 years. [81.6(2)(a)(ii)(C)]
- Yes No 6. Documentation of protocols used for land applying manure and wastewater in accordance with your site specific nutrient management practices that ensure appropriate utilization of nutrients. [81.6(2)(a)(iii)]
- Yes No 7. Nitrogen and Phosphorus transport risk assessments for each land application site. [81.6(2)(b)]
- Yes No 8. Inspection records for land application equipment showing, at a minimum, that inspections are conducted annually and within a six month period prior to the first application of manure or wastewater and at least daily when wastewater is being applied. [81.6(2)(c)]
- Yes No N/A 9. Documentation showing compliance with setback requirements when land applying manure and wastewater. [81.6(2)(d)] ***Please ✓ N/A if setbacks are not required.**



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**Facility Management Plan (FMP)
Self-Certification**

Facility Name

CONPC _____
Registration Number

By checking the following boxes, I certify that:

- I have personally examined and am familiar with the information contained in the Facility Management Plan;
- The information contained in the Facility Management Plan is true, accurate, and complete to the best of my knowledge;
- I am fully authorized to make this certification on behalf of the facility.

I am aware that there are significant penalties including but not limited to possible fines and imprisonment for willfully submitting false, inaccurate, or incomplete information.

Signature of Owner/Operator

Date

Print Name

Title