

## INSTRUCTION

Federal regulation 40 CFR Part 122, Section 122.42(e) states in part: “Any permit issued to a CAFO must include: (1) Requirements to develop a nutrient management plan. At a minimum, a nutrient management plan must include best management practices and procedures necessary to implement applicable effluent limitations and standards. Permitted CAFOs must have their nutrient management plans developed and implemented by July 31, 2007.”

U.S. EPA Region 6 adopts the following policy for the development and implementation of NMPs for existing CAFOs. Part IV of the proposed General Permit for CAFO states: “Where a facility has previously prepared information, such as that required in developing a Pollution Prevention Plan while the CAFO was covered by a previous NPDES permit, that supports one or more of the elements of an NMP as outlined in Part IV A of this permit, the CAFO may adopt this information for incorporation into the site-specific NMP.”

The purpose of the NMP Checklist is to assist a CAFO owner in developing an approvable site-specific NMP by using prepared information or provisions contained in the existing Pollution Prevention Plan, Best Management Practices, Animal Waste Management Plan, Carcass Disposal plan and other plans as required and approved by the Department.

The checklist is quite straightforward and self-explanatory. The first column contains the nine (9) elements, as specified in the 40 CFR Part 122.42(e)(1), that have to be addressed in a site-specific NMP. The second column refers to provisions or requirements of the Oklahoma CAFO Act, Oklahoma Registered Poultry Feeding Operations Act and rules promulgated pursuant thereto. If a provision or requirement does not apply to your operation, put an “N.A.” in the “NO” column. In the last column you have to indicate where the pertinent information can be found, such as PPP, BMP or AWMP.

EPA CAFO rules do not prescribe requirements for an NMP to be written in a particular scheme or format. This provides flexibility in developing a plan to meet the CAFO rules minimum measures and practices and other provisions. If the completed checklist indicates that you have complied with most of EPA specific requirements for NMP, then only the missing elements will need to be developed and incorporated in the final plan.

The NMP document developed by the owner/operator should be a quality document containing information and provisions that will ensure compliance with the nine (9) minimum elements EPA has determined are needed to protect water quality. In view of this, ODAFF recommends the information contained in the current approved plans be compiled and assembled in the following format:

1. A folder, binder or other means to assemble the contents of the NMP
2. Site information
  - Names, phone numbers, and addresses of CAFO owner(s).
  - Name(s) of person(s) responsible for implementing PPP and NMP.
  - Location of production site: legal description, driving instructions, etc.
  - Facility plan layout.
  - Plat map or local proximity map, showing any stream, water wells, occupied residences.
  - Emergency action plan covering: fire, personal injury, spills, etc.
  - Existing documentation of present facility components that would aid evaluating existing conditions, capacities, etc. (i.e. as-built plans, year installed, number of animals a component was originally designed for, etc.)
3. Production information
  - Animal types, phases of production, and length of confinement for each type at this site.
  - Animal count and average weight for each phase of production on this site.
  - Calculated and measured manure and wastewater volume for this site.
  - Manure storage type, designed capacity or volume, and approximate length of storage.
4. Applicable permits or certifications
  - EPA 1993 - General Permit or individual NPDES permit.
  - Oklahoma CAFO License.
  - Operator or manager certifications.
5. Land application site information
  - Aerial maps of land application area.
  - Individual field maps with marked setbacks, buffers, and waterways, and environmentally sensitive areas, such as sinkholes, wells, gullies, tile inlets, etc.
  - Landowner names, addresses, and phone numbers. (If applicable)
  - Legal description of land sites, including watershed codes.
  - Land use designation.
  - Soil map, with appropriate interpretations.
  - Risk assessments for potential nitrogen or phosphorus transport from fields, if applicable. (See NRCS Conservation Practice Standard, "Nutrient Management", Code 590, June 2004)
6. Manure application plans

- Date plan prepared and approved.
- Crop types, realistic yield targets, and expected and actual nutrient uptake amounts.
- Application equipment descriptions and methods of application, such as: spreading, soil incorporation, or injection.
- Expected and actual application seasons and estimated or actual days of application per season.
- Estimated and/or actual application amounts per acre (volume in gallons or tons per acre, and pounds of plant available nitrogen, phosphorus as P<sub>2</sub>O<sub>5</sub>, and potassium as K<sub>2</sub>O per acre).
- Estimated of acres needed and/or actual acreage of land used to apply manure or wastewater generated on this site respecting any guidelines published for nitrogen or phosphorus soil loading limits.

#### 7. Activity records

- Soil test results.
- Manure and wastewater test annually for each individual manure storage containment and/or lagoon.
- Planned and/or applied rates, methods of application, and timing (month and year) of nutrients applied. (Include all sources of nutrients – manure, wastewater, commercial fertilizer, etc.)
- Current and/or planned crop rotation.
- Weather conditions during nutrient application.
- General soil moisture condition at time of application (i.e. saturated, wet, moist, dry).
- Actual crop and yield harvest from manure application sites.
- Record of internal inspections for animal waste system components.
- Records of any spill events.
- Change(s) made to Pollution Prevention Plan or other plans.

#### 8. Carcass disposal plan

- Plan for mortality disposal and date of approval by the Department
- Methods and equipment used to implement the disposal plan.

#### 9. Operation and maintenance

- Detailed operation and maintenance procedures for the animal feeding operation contained in the NMP. This would include procedures such as routine inspections of manure storage or retention structures, calibration of land application equipment, storage facility emptying schedule, lagoon closure plan, soil and manure/wastewater sampling techniques, etc.
- Best Management Practices implemented to protect the surface and groundwaters of the State.

**Note:** The NMP content should be tailored to meet the CAFO owner's/operator's specific needs. The CAFO owner/operator has the flexibility to assemble the information in a different format or scheme, provided the nine (9) elements of the nutrient management plan required by EPA are addressed satisfactorily.

Finally, a copy of the compiled and assembled information should be submitted, prior to the July 31, 2007 deadline, to:

Agricultural Environmental Management Services Division  
Oklahoma Department of Agriculture, Food, and Forestry  
P.O. Box 528804  
2800 North Lincoln Blvd.  
Oklahoma City, OK 73152-8804