

## Silage Operation Maintenance Plan

Dairy Name: \_\_\_\_\_

APCD Facility ID Number: \_\_\_\_\_

This operation maintenance plan is for Rule 4570 – Option 1, 2, or 3 for silage. (Circle number below for maintenance option.)

1. Build silage piles such that the average bulk density of silage piles is at least 44 lb./ft<sup>3</sup> for corn silage and 40 lb./ft<sup>3</sup> for other silage types, as measured in accordance with section 7.11.4 of Rule 4570.
  
2. When creating a silage pile, adjust filling parameters to assure a calculated average bulk density of at least 44 lb./ft<sup>3</sup> for corn silage and at least 40 lb./ft<sup>3</sup> for other silage types, using a spreadsheet approved by the District. (Attach spreadsheet.)
  
3. Incorporate the following practices when creating silage piles:
  - Harvest silage crop at ≥65% moisture for corn; and ≥60% moisture for alfalfa/grass and other silage crops; and
  - Manage silage material delivery such that no more than six (6) inches of material are uncompacted on top of the pile.
  - Incorporate the following parameters for Theoretical Length of Chop (TLC) and roller opening, as applicable, for the crop being harvested:

Check One	Crop Harvested	TLC (inches)	Roller opening (mm)
_____	Corn with no processing	≤1/2	n/a
_____	Processed Corn <35% dry matter	≤3/4	1-4 mm
_____	Alfalfa/grass	≤1.0	n/a
_____	Wheat/Cereal Grains/Other	≤1/2	n/a

Surface of silage piles, except for the area where feed is being removed from the pile, are covered with an appropriate cover (min. cumulative thickness of 5 ml. or oxygen barrier film covered with a UV resistant material) within 72 hours of the last delivery of material to the pile.

**Chopper**

Print \_\_\_\_\_  
 Signature \_\_\_\_\_  
 Date \_\_\_\_\_

**Dairy Owner/Operator**

Print \_\_\_\_\_  
 Signature \_\_\_\_\_  
 Date \_\_\_\_\_