

San Joaquin Valley Air Pollution Control District

www.valleyair.org

Rule 4570 Permit Application Form Poultry Confined Animal Feeding (CAF) Mitigation Measures

Facility Name:	_____
Facility Location:	_____
Mailing Address:	_____
Phone No.: (____) ____ - ____	Cell Phone No.: (____) ____ - ____
Owner/Operator:	_____ Title: _____
Signature:	_____ Date: _____

Instructions	<ol style="list-style-type: none">1. Please completely fill out the tables included in the following pages of this form indicating the mitigation measures that you will be utilizing to comply with Rule 4570.2. This application must be submitted with application filing fees totaling \$120 (\$60 per permit unit x 2 permit units). <u>If submitting this form at a workshop, please do not submit the fees at the workshop.</u> The District will send you an invoice at a later date.3. Have you received a CMP Plan as required by District Rule 4550 or permit from the District for your existing poultry operation?<ul style="list-style-type: none">• If yes, what is your facility number? _____• If you have not received a CMP Plan or permit from the District, you must fill out the following application forms and attach them to this form. The application forms may be found on the District's website at http://www.valleyair.org/General_Info/AGLoader.htm<ul style="list-style-type: none">• Initial Permit Application Form for Farms (Form "PA-0")• Poultry Farm Permit Application Form (Form "Poultry")• CMP Plan Application (Form "CMP 0")• CMP Poultry Supplemental Application (Form "CMP 15")• Other Applicable CMP Supplemental Application Forms
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FOR APCD USE ONLY:

DATE STAMP:	FILING FEE RECEIVED: \$ _____ CHECK #: _____
	DATE PAID: _____
	PROJECT #: _____ FACILITY ID: _____

Northern Regional Office * 4800 Enterprise Way * Modesto, California 95356-8718 * (209) 557-6400 * FAX (209) 557-6475
Central Regional Office * 1990 East Gettysburg Avenue * Fresno, California 93726-0244 * (559) 230-5900 * FAX (559) 230-6061
Southern Regional Office * 2700 M Street, Suite 275 * Bakersfield, California 93301-2370 * (661) 326-6900 * FAX (661) 326-6985

<p style="text-align: center;">Feed Mitigation Measures</p>	<p>Poultry owners/operators must select at least <u>five</u> of the following feed mitigation measures:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Feed according to National Research Council (NRC) guidelines. <input type="checkbox"/> Feed animals probiotics designed to improve digestion according to manufacturer recommendations. <input type="checkbox"/> Feed animals an amino acid supplemented diet to meet their nutrient requirements. <input type="checkbox"/> Feed animals feed additives such as amylase, xylanase, and protease, designed to maximize digestive efficiency according to manufacturer recommendations. <input type="checkbox"/> Remove spilled feed from housing at least once every 7 days. <input type="checkbox"/> Enclose grain in a weatherproof storage structure from October through May. <input type="checkbox"/> Feed or dispose of rations within 48 hours of grinding and mixing rations. <input type="checkbox"/> Use feed additives designed to reduce feed decomposition or oxidization. <input type="checkbox"/> Remove uneaten wet feed from the housing within 24 hours of a rain event. <input type="checkbox"/> Implement an alternative mitigation measure(s), not listed above. <i>Please provide details on an attached Alternate Mitigation Measures supplemental application form.</i>
<p style="text-align: center;">Housing Mitigation Measures</p>	<p>Poultry owners/operators must select at least <u>four</u> of the following mitigation measures for each animal housing structure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove caked animal waste at least once every 14 days. <input type="checkbox"/> Clean under poultry cages at least once every 14 days. <input type="checkbox"/> Use poultry litter additives designed to reduce air emissions or moisture content in litter, such as aluminum sulfate or sodium bisulfate, according to manufacturer recommendations. <input type="checkbox"/> Use a dry housing cleaning method at all times, except when a wet cleaning method is required for animal health or biosecurity issues. <input type="checkbox"/> Use drinkers that do not drip. <input type="checkbox"/> Adjust the height, volume, and location of drinkers at least once every 14 days. <input type="checkbox"/> Use no foggers in the house. <input type="checkbox"/> Only use fogger systems designed, operated and maintained according to manufacturer recommendations that provide water droplets with an average size of 50 microns or less. <input type="checkbox"/> Slope the surface of the house at least 3% where the available space for each animal is 400 square feet or less. Slope the surface of the house at least 1.5% where the available space for each animal is more than 400 square feet per animal. <input type="checkbox"/> Install mounds or berms up gradient to prevent the runoff of stormwater into pens (only an option for animals allowed to freely move between indoor housing structures and outdoor pens). <input type="checkbox"/> Inspect water pipes and drinkers and repair leaks at least once every 14 days. <input type="checkbox"/> Maintain the roof structure and manage roof runoff in accordance with the applicable standards in NRCS Field Office Technical Guide Code 558 or other applicable standards approved by the APCO, ARB, and EPA. <input type="checkbox"/> Vent housing to a VOC control device with an overall VOC capture and VOC control efficiency of at least 80%. <input type="checkbox"/> Use a belt litter removal system that dries the litter. <input type="checkbox"/> House animals in a tunnel ventilated houses with mechanical ventilation. <input type="checkbox"/> Use a litter drying system, such as a flat bed drying system. <input type="checkbox"/> Implement an alternative mitigation measure(s), not listed above. <i>Please provide details on an attached Alternate Mitigation Measures supplemental application form.</i>
<p style="text-align: center;">Solid Waste Mitigation Measures</p>	<p>Poultry owners/operators which handle solid animal waste or separated solids animal waste stored outside the animal housing must select at least <u>one</u> of the following solid or separated solids animal waste mitigation measures:</p> <p>Please note, only one of the following <u>two</u> measures will count towards the <u>one</u> required for this category.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove all animal waste from the facility within 72 hours of removal from housing. <input type="checkbox"/> Send all animal waste to a lagoon within 72 hours of removal from housing. <p>Please note, any of the following <u>five</u> measures may be selected.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cover animal waste outside the housing with a weatherproof covering from October through May, except for times, not to exceed 24 hours per event, when wind events remove the covering. <input type="checkbox"/> Use a solid animal waste handling system in housing, such as stockpiles, solid land application, or a thin bed animal waste drying system, instead of a liquid system such as flushing, animal waste storage ponds, or animal waste treatment lagoons. <input type="checkbox"/> Send at least 51% of the animal waste removed from site to a digester, with a VOC control device with an overall VOC capture and VOC control efficiency of at least 80%. <input type="checkbox"/> Compost animal waste removed from the housing with an aerated static pile vented to a VOC control device with an overall VOC capture and VOC control efficiency of at least 80%. <input type="checkbox"/> Implement an alternative mitigation measure(s), not listed above. <i>Please provide details on an attached Alternate Mitigation Measures supplemental application form.</i>

**Liquid
Waste
Mitigation
Measures**

Poultry owners/operators which handle liquid animal waste must select at least one of the following liquid animal waste mitigation measures:

Please note, only one of the following two measures will count towards the one required for this category.

- Use phototrophic lagoon. (Please note: Testing per Section 7.2 of Rule 4570 will be required.)
- Use an anaerobic treatment lagoon designed in accordance with NRCS Guideline No. 359.. (Please note: Testing per Section 7.2 of Rule 4570 will be required.)

Please note, only one of the following two measures will count towards the one required for this category.

- Use an aerobic lagoon. (Please note: Testing per Section 7.2 of Rule 4570 will be required.)
- Use a mechanically aerated lagoon (aerators). (Please note: Testing per Section 7.2 of Rule 4570 will be required.)

Please note, any of the following seven measures may be selected.

- Manage the facility such that there are no lagoons at the facility. (Lagoons are defined as a basin constructed, maintained, and operated to store and treat animal waste. This does not include basins primarily used to collect runoff and stormwater.)
- Remove solids from the waste system with a solid separator system, prior to the waste entering the lagoon.
- Maintain lagoon pH between 6.5 and 7.5.
- Maintain organic loading in the lagoon such that the total solids are less than 3.5 mg (dry weight)/mL, or total volatile solids are less than 3.5 mg/mL.
- Use additional non-standard equipment or chemicals on the solid separator system, such as roller or screw presses or chemical coagulants and flocculants, that increase the percent of solid separation achieved by the separator and that is approved by the APCO, ARB, and EPA.
- Cover the lagoon or storage pond and vent to a VOC control device with an overall VOC capture and VOC control efficiency of at least 80%.
- Implement an alternative mitigation measure(s), not listed above. *Please provide details on an attached Alternate Mitigation Measures supplemental application form.*