APPENDIX 1
Monitoring and Reporting Program No. R2-2016-0031

Tier 1 Annual Report Form

Report Date:_____

Annual Report

San Francisco Bay Regional Water Quality Control Board
Waste Discharge Requirements for Confined Animal Facilities
Order No. R2-2016-0031

Due November 30; reporting for preceding 12 month period (November 1 through October 31).

Facility Name: _____ Facility Address: _____
No. Street City Zip

Operator: _____ Mailing Address: _____

Phone: (___) _____ E-mail: _____

Property owner: _____ Mailing Address: _____

Phone: (___) _____ E-mail: _____

Current # and type of animals: _____

_____

Current parcels (confined and grazing): _____

_____

Within the last year has any of the above information changed? _____ If yes, please highlight new information.

The objective of the Annual Report is to provide compliance updates, demonstrate that the facility is ready for the rainy season, document required water quality monitoring and actions taken to correct identified problems, and to demonstrate that each facility is operating in compliance with the requirements of Order No. R2-2016-0031 (General Permit).

Any discharges of waste, waste water or contaminated storm water that may endanger human health or the environment, must be verbally reported within 24 hours of becoming aware of the occurrence to the **Water Board Spill Hotline at (510) 622-2369 and to the California Office of Emergency Services (OES) at (800) 852-7550**. Within 14 business days, a written report describing the incident and resulting corrective actions must be submitted, as indicated below.

By November 30 of each year, please complete this form to document compliance and submit it to:

Mail	FAX	Email
San Francisco Regional Water Quality Control Board ATTN: Confined Animal Facility Program 1515 Clay Street, Suite 1400 Oakland, CA 94612	**San Francisco Bay Regional Water Quality Control Board ATTN: Confined Animal Facility Program (510) 622-2460 (fax)**	**R2ConfinedAnimals@waterboards.ca.gov**

Please complete the following Annual Report by checking all actions completed and attaching documentation of any water quality threats and corrective actions taken. Provide photographs and explanations as indicated.

A. Compliance Status

Each facility must develop and implement the following programs/plans consistent with technical standards and schedule, specified within the General Permit, and provide a written certification that each plan is prepared and implemented in accordance with the minimum requirements, by each due date. Please check all that apply.

1. Facility Monitoring Program – Due by November 1, 2017 or within 1 year of permit enrollment

   ✓ On-site inspection and monitoring plan is completed and ready for upcoming rainy season. ☐ Yes ☐ No

   If no, please explain:_____

   _____

   ✓ The facility is participating in a group monitoring program. ☐ Yes ☐ No

   If yes, which group?_____

   _____

   If not participating in a group monitoring program, did you complete the individual surface water sampling requirements? (Due to begin winter 2017-18)
   ☐ Yes ☐ No

   If no, please explain:_____

   _____

   _____

2. Ranch Water Quality Plan - Due November 30, 2018 or within 2 years of permit enrollment

   ✓ Plan is completed / updated ☐ Yes ☐ No ☐ Not Applicable (N/A)

   ✓ Plan is fully implemented ☐ Yes ☐ No ☐ N/A Date of completion:_____

   ✓ Certification is attached ☐ Yes ☐ No ☐ N/A ☐ Previously submitted

   If no, please explain:_____

   _____

   _____

   _____

B. Pre-Rainy Season Pollution Prevention

In order to demonstrate that the facility is prepared for the upcoming rainy season, please attach photo-documentation of compliance with required preseason pollution prevention measures listed below. Please check all that apply. This report will be deemed incomplete if detailed explanations are not provided for each "No" or "N/A" response.

☐ Yes ☐ No ☐ N/A Runoff from all roofed areas is diverted away from confined or heavily manured areas through working gutters or other means.

☐ Yes ☐ No ☐ N/A Berms, ditches and other measures used to divert precipitation and surface drainage away from manured areas or waste impoundments are adequately maintained and protected against erosion.

☐ Yes ☐ No ☐ N/A All uncovered confined or heavily manured areas including corrals, feeding, watering or loafing areas, not draining into waste containment facilities have been scraped clean and/or otherwise protected.

☐ Yes ☐ No ☐ N/A Animals have been relocated away from all uncovered confined areas not draining into waste containment facilities.

☐ Yes ☐ No ☐ N/A All waste containment facilities, pumping equipment, pipes and other conveyances have been inspected and maintained and are free of leaks.

☐ Yes ☐ No ☐ N/A All waste containment ponds have been emptied properly maintained and protected from inundation or washout.

☐ Yes ☐ No ☐ N/A All waste containment pond liners have not been damaged during clean-out process

☐ Yes ☐ No ☐ N/A Manure and wastewater have been applied to land or stockpiled at least 100 feet from any surface water, domestic well head, and flood-prone or heavy run-off areas prior to November 30. (A 35-foot vegetative buffer or physical barrier can be substituted for the 100-foot setback. If such an alternative practice is used, provide details below.)

Explain No or N/A answers:_____

_____

_____

_____

_____

_____

_____

_____

Date(s) of Pre-Rainy Season Inspections:_____

_____

C. Compliance Inspections

Periodic visual inspections must be conducted to ensure each facility is operated and maintained in compliance with the General Permit. Observations of any threats to water quality and corrective actions taken shall be documented throughout the year and reported below. Please check all that apply and explain each "No" response.

Confined Area Inspections

☐ Yes ☐ No Did you conduct daily inspections of confined and production areas, including retention ponds, pumping equipment, water lines, corrals, travel lanes, water crossings, feed storage areas, loafing areas, etc., to confirm that:

- ✓ All storm water contacting waste was contained;
- ✓ All non-storm water waste and/or wastewater was contained;
- ✓ Animals were prevented from entering surface waters or clean storm water diversion ditches; and
- ✓ Clean storm water was diverted away from manured areas?

If no, explain:_____

_____

Storm Event Inspections

☐ Yes ☐ No Did you conduct inspections of entire facility before, during and after storm events to confirm that:

- ✓ Retention ponds and structures were sound and had adequate capacity;
- ✓ Receiving waters, both up and downstream of facility were monitored, and water quality changes were documented; and
- ✓ All pollution prevention measures, for confined areas, grazing lands, and land application areas were implemented and effective?

If no, explain:_____

_____

Cropland and/or Pasture Inspections (areas where wastewater and manure are applied)

☐ Yes ☐ No Did you conduct land application inspections at least once daily during each irrigation and/or spreading event, to confirm that:

- ✓ Land application activities did not result in erosion, field saturation, runoff, or nuisance conditions; and
- ✓ Liquid or solid manure was applied to land according to required set-backs from waterways, flood-prone and heavy run-off areas?

☐ Yes ☐ No Did you record the dates, locations, and approximate volumes of waste water and/or solid waste applied to land?

☐ Yes ☐ No Did you record the weather conditions at the time of, and 24 hours prior to, waste water and/or solid waste application to cropland?

Grazing Lands Inspections (if 50 acres or more)

☐ Yes ☐ No Did you conduct grazing land inspections at least monthly during the rainy season and twice during the dry season, including upstream and downstream inspection of the closest surface water body, to confirm that:

- ✓ Chosen management practices were implemented and minimum requirements for grazing operations were met; and
- ✓ Grazing activities did not result in adverse impacts to receiving waters.

☐ Yes ☐ No Did you measure and/or estimate grazing land residual dry matter (RDM), prior to the first fall rains?

RDM result (lbs. / acre):_____

If recommended standards were not met, or if you did not measure RDM, please provide an explanation below:_____

_____

_____

_____

✓ **Based on your visual inspections and observations during the past year, did you discover any threats to water quality or pollutant discharges to surface or groundwater?**

☐ **Yes** ☐ **No**

If yes, include a detailed description (location, date/time, photographs, and estimated amount of release) and corrective actions taken at the time of the pollution threat and/or discharge (attach additional sheets if necessary)._____

_____

_____

_____

_____

_____

_____

D. Improvement Projects, Repairs and/or Corrective Measures

Describe any on-going or planned facility improvements for water quality protection, pollutant control, and/or to meet the conditions of the Conditional Waiver. For each project, include a timeline for completion and indicate its status and progress made since the last Annual Report (attach additional pages if needed).

E. Water Quality Sampling

The information below summarizes the water quality sampling results, as required in the Monitoring and Reporting Program (General WDR, Attachment A). Please refer to Attachment A, Section C, for sampling and data analysis procedures.

Surface Water Sampling:

If you are not identified as participating in a Group Monitoring Program, you are responsible for individual surface water sampling as required in General Permit, Attachment A. Sampling shall take place during or directly following each of 3 major storm events, after at least 1 inch of rain per 24 hours. Sampling events shall be at least 14 days apart.

1. Provide surface water sampling results in the table below or attach similar documentation, including any lab reports. Also attach a map of the sampling locations, including proximity of the confined facilities and land application areas.
2. Describe your sampling methods (field equipment, test kits, measurement devices, etc.):_____

_____

_____

Constituent	Benchmark	Sampling Results	
		Sample I.D.	**Result**
Specific conductance	Below 2000 µS/cm		
Total ammonia nitrogen (NH_3 + NH_{4+})	Below 1 ppm (or mg/l) and meets calculated unionized ammonia benchmark		
Unionized ammonia (NH_3) as calculated	0.025 mg/l		
pH	6.5-8.5		
Temperature (°C)	none		

F. Summary

☐ Yes ☐ No Have all the required monitoring and inspections been completed?

☐ Yes ☐ No Have all required reports been submitted to the San Francisco Bay Regional Water Quality Control Board?

☐ Yes ☐ No Based on your visual inspections and water quality monitoring results, did your facility operate in compliance with the General Permit?

If no, explain: _____

_____

Certification

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this report 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."

_____ _____

Printed Name **Title**

_____ _____

Signature **month/day/year**