

APPENDIX B

DEFINITIONS OF TERMS USED IN THE *DAIRY ELEMENT*

Dairy Element of the Kings County General Plan

DEFINITIONS:

1. *AGRONOMIC APPLICATION RATE:*

Fertilizer or manure application rate that is calculated to meet the difference between what the soil is able to supply and the total nutrient requirement of the crop(s) being grown.

2. *AFO (or CAFO):*

AFO's (or CAFOs) are agricultural enterprises where animals are kept and raised in confined situations. AFO's congregate animals and their feed, manure and urine, dead animals, and production products in small areas. Feed is brought to the animals rather than the animals grazing or otherwise seeking feed in pastures, fields, or on range land. Winter feeding of animals on pasture or rangeland is not considered an AFO for the purpose of the *Dairy Element*.

3. *ANIMAL UNITS (AU)* Source: RWQCB:

Animals Type	AU Factor (By age of Animal Head	Holstein Factor (1.4 AU/)	Equivalent Animal Units	
Milk Cow	1.00	1.40	1.40	
Dry Cow	<i>0.80</i>	1.40	1.12	
Heifers (2yrs and older)	<i>0.73</i>	1.40	1.02	
Heifers (1 yr. to breeding)	<i>0.73</i>	1.40	1.02	
Calves (3 mo. to 1 yr.)	<i>0.35</i>		1.40	0.49
Baby Calves (less than 3 mo.)	<i>0.21</i>	1.40	0.29	

4. *BASELINE CAPACITY OF A DAIRY:*

The baseline capacity of a dairy is the animal unit capacity of a dairy site in Animal Units (AU) which is determined through an analysis of the dairy management program operated at the dairy. This will include, but not limited to the existing dairy facility's development layout and configuration, its existing herd make up and size, Nitrogen and salt loading limits of the land used for solid and liquid manure usage, cropping program, and other factors deemed appropriate.

5. *BIOLOGICAL RESOURCES SURVEY:*

See Technical Report – Appendix J, Component 6.

6. *CEQA (California Environmental Quality Act):*

Public Resources Code, Division 13, from Section 21000 to 21178.

7. *CEQA GUIDELINES:*

California Code of Regulations, Title 14, Chapter 3, from Section 15000 to 15387.

8. *COMPREHENSIVE DAIRY PROCESS WATER APPLICATION PLAN (CDWAP):*

See Technical Report - Appendix J, Component 2b.

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- 9. *CONDITIONAL USE PERMIT (CUP):***
(See Article 19 of the Kings County Zoning Ordinance) Discretionary Zoning permits granted by the Planning Commission used to achieve the purposes of the zoning ordinance and give zone district regulations the flexibility necessary to achieve the objectives of the ordinance. The Planning Commission is empowered to grant and to deny applications for use permits and to impose reasonable conditions. Approval of a CUP is subject to review by the Board of Supervisors.
- 10. *CULTURAL RESOURCES EVALUATION:***
See Technical Report - Appendix J, Component 7.
- 11. *DAIRY:***
The general term for agricultural enterprise principally engaged in the production of milk.
- 12. *DAIRY DEVELOPMENT OVERLAY ZONE (DDOZ):***
That portion of Kings County where new dairies may be established.
- 13. *DAIRY ELEMENT:***
An optional element of the General Plan authorized by Section 65303 of the California Government Code to address the issues related specifically to dairies.
- 14. *DAIRY EXPANSION:***
Any increase in a dairy's herd size (number of Animal Units) beyond the dairy's current baseline capacity. This includes an increase in capacity/size of a dairy to accommodate more animal units (A.U.) than were previously allowed by an existing zoning permit, or increase in the herd size of an existing dairy which was established prior to the requirement for zoning permits. In addition, an increase in the number of animal units which necessitates the construction of additional facilities (corrals, barns, lagoons, etc.) constitutes an expansion of the dairy and requires zoning approval.
- 15. *DAIRY FACILITY:***
That portion of a dairy which includes the corrals, barns, feed storage, milk barn, lagoons and other manure handling facilities, but not including the associated farm land or dwellings.
- 16. *DAIRY PROCESS WATER:***
Liquid manure and other water that has come into contact with manure or feed and managed by the dairy operation. Sometimes referred to as "dairy waste water."
- 17. *DAIRY REVIEW LETTER (DRL):***
A letter prepared by the Zoning Administrator at the request of a dairy owner or operator that establishes the baseline capacity of an existing dairy operation. This information can be used to determine what type of zoning approval will be required to expand a dairy operation.
- 18. *DAIRY SITE:***
All of the land used for a dairy including the Dairy Facility and associated agricultural land.

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- 19. DAIRY SYSTEM:**
This is the complete dairy operation including, but not limited to, the physical structures of the facility; the animal feeding program; the management of the herd and the herd itself; the cropland where process water, manure, and nutrients are used, dead animals, etc.; and integrated management program and practice of the operation. System is defined as a regular interacting, or interdependent, group of items forming a unified whole that is considered a functional unit.
- 20. DEAD ANIMAL MANAGEMENT PLAN (DAMP):**
See Technical Report - Appendix J, Component 5.
- 21. ERME-II:**
Environmental Resources Management Element - Phase II, adopted as part of the *Kings County General Plan* in 1976 and rescinded and replaced by the *1993 Kings County General Plan* adopted in December 1993.
- 22. FUGITIVE DUST EMISSIONS CONTROL PLAN (FDECP):**
See Technical Report - Appendix J, Component 9.
- 23. GAS AND OIL WELL EVALUATION:**
See Technical Report - Appendix J, Component 1e.
- 24. GEOTECHNICAL REPORT:**
See Technical Report - Appendix J, Section 1 Component 1a.
- 25. GROUNDWATER EVALUATION**
See Technical Report - Appendix J, Component 1b.
- 26. HAZARDOUS MATERIALS BUSINESS PLAN (HMBP):**
See Technical Report - Appendix J, Component 3.
- 27. HYDROLOGIC SENSITIVITY ASSESSMENT (HSA):**
See Technical Report - Appendix J, Component 1d.
- 28. IRRIGATION MANAGEMENT PLAN (IMP):**
See Technical Report - Appendix J, Component 2d.
- 29. LEVEL OF SERVICE (LOS):**
Refers to traffic flow on streets and roads.
- 30. LIGHT, GLARE AND NOISE ASSESSMENT:**
See Technical Report - Appendix J, Component 10.
- 31. MANURE NUTRIENT MANAGEMENT PLAN (MNMP):**
See Technical Report - Appendix J, Component 2a.

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32. ***NO_x***:
Nitrous Oxide, a precursor for the formation of ozone (smog).
33. ***NUTRIENT SPREADING OVERLAY ZONE (NSOZ)***:
That portion of Kings County where new dairies will not be permitted, but where manure and dairy process water can be used to fertilize cropland.
34. ***ODOR MANAGEMENT PLAN (OMP)***:
See Technical Report - Appendix J, Component 2&c.
35. ***PEST AND VECTOR MANAGEMENT PLAN (PVMP)***:
See Technical Report - Appendix J, Component 4.
36. ***PM₁₀ and PM_{2.5}***:
Particulate Matter less than ten microns and 2.5 microns in diameter, respectively.
37. ***PROGRAM ENVIRONMENTAL IMPACT REPORT (PEIR)***:
An EIR as defined in Section 15168 of the CEQA Guidelines. Specifically for this project it is the Final and Draft PEIR documents for the Dairy Element project.
38. ***ROG***:
Reactive Organic Gases, also referred to as VOC or Volatile Organic Gases, a precursor for the formation of ozone (smog).
39. ***RWQCB***:
California Regional Water Quality Control Board Central Valley Region
40. ***SENSITIVE SPECIES***:
Plant or animal species listed as threatened or endangered pursuant to the state or federal endangered species acts (CESA and ESA).
41. ***SITE PLAN REVIEW (SPR)***:
(See Article 21 of the Kings County Zoning Ordinance) A zoning permit issued by the Zoning Administrator after making findings that the proposed use is in conformity with the intent provisions of the Zoning Ordinance, and as a guide for the issuance of building permits.
42. ***SJVUAPCD***:
San Joaquin Valley Unified Air Pollution Control District.
43. ***SOILS EVALUATION***:
See Technical Report - Appendix J, Component 1c.
44. ***TECHNICAL REPORT***:
See Appendix J.

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45. ***TRAFFIC IMPACT STUDY:***
See Technical Report - Appendix J, Component 8.
46. ***URBAN AREAS:***
Those built-up areas of Kings County in and around the cities of Avenal, Corcoran, Hanford, and Lemoore, and the unincorporated areas of Armona, Home Garden, Kettleman City, Santa Rosa Rancheria, and Stratford.
47. ***WILDLIFE SURVEY:***
See Technical Report - Appendix J, Component 6.
48. ***ZONING ORDINANCE:***
Kings County Ordinances No. 269, as amended, which regulates land in the unincorporated territory of the County of Kings, state of California.