

Dairy Annual Report - July 2008

complete
3/24/09

Dairy Name: Henry Tosta Dairy

Dairy Address: 20662 San Jose Rd., Tracy

Date Annual Report Received: July 2

Signatures: Yes Missing Operator
 Missing Owner Missing Both

NMP Statement of Completion Received: yes or no

November 3rd Groundwater Results Received: yes or none for 07

WMP Maps Received: yes or no

O & M Plan Received: yes or no

Backflow Form Received: yes or no letter enclosed

Number of Manure Manifests Received: 1

Number of Wastewater Agreements Received: 0

	Number of Mature Cows	Number of Acres
2007 Annual Report	<u>1,183</u>	<u>596.83</u>
*not in MPR → December 2007 PDFA		
2005 ROWD + 15%	<u>127</u>	<u>117</u>

Completed Discharge Attachments (B - D)? yes or no

Tabulated Nutrient Sampling Data (E - I)? yes or no

Updated PDFA? yes or no NITROGEN STORAGE
 MISSING

✓ N balance = 1.46

Main well (domestic) $\frac{NO_3-N (mg/L)}{1.4}$

2 crops

ft to offsite down-well: 0-300

ANNUAL DAIRY REPORT JULY 1, 2008

9. **Summary of Manure and Process Wastewater Discharges from the Production Area**

Provide a summary of all manure and wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan that occurred between Oct. 1, 2007 and Dec. 31, 2007 including the date, time, location, approximate volume, a map showing discharge and sample locations, rationale for sample locations, method of measuring flows. Place an X at the appropriate box below:

- No discharges occurred during the reporting period.
 Yes # of discharges occurred (Summarize all discharges in Attachment B)

10. **Summary of Stormwater Discharges from the Production Area**

Provide a summary of all storm water discharges from the production areas to surface water between Oct. 1, 2007 and Dec. 31, 2007, including the date, time, approximate volume, duration, location, a map showing discharge and sample locations, rationale for sampling locations and method of measuring discharge flows. Place an X by the appropriate box below.

- No discharges occurred during the reporting period
 Yes # of discharges occurred (Summarize all discharges in Attachment C)

11. **Summary of Discharges from the Land Application Area(s)**

Provide a summary of all discharges from the land application area to surface water that have occurred between Oct. 1, 2007 and Dec. 31, 2007, including the date, time, approximate volume, location, source of discharge (i.e. tailwater, wastewater or blended wastewater), a map showing discharge and sample locations, rationale for sample locations and method of measuring discharge flows. Check the appropriate box below.

- No Discharges occurring during the reporting period
 Yes # of discharges occurred (Summarize all discharges in Attachment D)

12. **Nutrient Management Plan Update**

Provide a statement indicating the NMP has been updated and that the NMP was developed or approved by a certified nutrient management planner.

NOT REQUIRED FOR THE FIRST YEAR.

13. **Manure/Process Wastewater Tracking Manifests**

Did you sell, give away, or otherwise remove solid, slurry or process wastewater (liquid manure) from your property?

- No
 Yes, attach manure/wastewater tracking manifests for the period June 30, 2007 through Dec. 31, 2007.
(General Order Attachment D or CDQAP Binder Tab 6)

14. **Written Agreements**

Any process wastewater transferred to a third party must have a written agreement consistent with State requirements. How many written agreements do you have?

15. **Laboratory Analyses for Discharges**

If you answered yes to items #9, 10 or 11 above, attach copies of all laboratory analyses of all discharges (manure, process wastewater or tailwater), surface water (upstream and downstream of a discharge), and stormwater, including chain-of-custody forms and laboratory quality assurance/quality control results, as applicable.

16. **Tabulated Nutrient Analytical Data**

Attach tabulated analytical data, if sampled, for samples of manure, process wastewater, irrigation water, soil and plant tissue. The data shall be tabulated to clearly show sample dates, constituents analyzed, constituent concentrations and detection limits. (If data is available, complete Attachments E - I)

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17. Record-Keeping Results

Attach results of the Record-Keeping Requirements for the production and land application areas specified in Record-Keeping Requirements. These include:

- Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements. (Refer to CDQAP Dairy Production Area Visual Inspection and Dairy Land Application Area Visual Inspection sample forms, if used) Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Date	Deficiency	Corrective Action	Date Corrected	Explain if greater than 30 days

- Provide records of the date, time and estimated volume of any overflow from production area. (Information already provided in # 9 and 10 above.)
- Provide expected and actual crop yields. (May not be available for the first annual report: attach if available.)
- Provide identification of crop, acreage and dates of planting and harvest for each field. (May not be available for the first annual report: attach if available.)
- Provide dates, locations, and approximate weight and moisture content or volume and density of manure applied to each field. (May not be available for the first annual report: attach if available.)
- Provide weather conditions at time of manure and process wastewater applications and for 24 hours prior to and following applications. (May not be available for the first annual report: attach if available.)
- Provide total amounts of nitrogen, phosphorus and potassium actually applied to each field, including documentation of calculations for the total amount applied. (May not be available for the first annual report, same as #5).

ANNUAL DAIRY REPORT JULY 1, 2008

GROUNDWATER MONITORING SECTION (All dischargers must comply with Section 18 a)

18.

a. **All dischargers** must attach groundwater information of supply wells and subsurface (tile) drainage systems (sample required by Nov. 3, 2007-all dischargers must attach groundwater information) on the location of sample collection and all field and laboratory data, including all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results).

Dischargers with groundwater monitoring well systems

b. **Dischargers that have monitoring wells systems required by the Regional Board** shall include all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results) and tabular and graphical summaries of the monitoring data. Data shall be tabulated to clearly show the sample dates, constituents analyzed, constituent concentrations, detection limits, depth to groundwater and groundwater elevations. Graphical summaries of groundwater gradients and flow directions shall also be included. Each groundwater monitoring report shall include a summary data table of all historical and current groundwater elevations and analytical results. The groundwater monitoring reports shall be certified by a California registered professional such as a California Registered Engineer or a California Register Geologist with experience in hydrogeology, or a federal officer or employee who is exempt from the California Business and Professions Code Sections 8739 or 7836).

c. **Dischargers with County-required groundwater sampling** shall submit all groundwater analyses to the Regional Board as required in b above to the extent available.

d. **if groundwater monitoring wells for research purposes** are located at your facility, please check this box. Dischargers if groundwater monitoring for research purposes are exempt from submitting groundwater analyses.

STORM WATER REPORTING SECTION

19. The annual report shall include the following information:
(Place an X by the appropriate box below.)

- No significant discharge of storm water occurred from the **land application areas**.
 Yes, significant discharge(s) of storm water occurred from **land application areas**. The following information shall be submitted for those discharges.

- A map showing all sample locations for all land applications areas.
- Rationale for all sampling locations.
- A discussion of how storm water flow measurements were made.
- The results (including the laboratory analyses, chain of custody reports and laboratory quality assurance/quality control) of all samples of storm water.
- Any modifications made to the facility or sampling plan in response to pollutants detected in storm water.

It was not possible to collect any of the required samples or perform visual observations due to adverse climatic conditions. Describe the adverse climatic conditions:

NOTE:

All unauthorized discharges must be reported to the Regional Board, OES and local environmental health within 24 hours of discharge, followed by a written report to the Regional Board within 2 weeks and laboratory analyses submitted within 45 days of the discharge.

ANNUAL DAIRY REPORT (DUE JULY 1, 2008) ATTACHMENT A

Enter data in white cells only, remainder of spreadsheet is locked.

Estimated Amount of Total Manure and Nutrients Generated for the Report Period (Reporting Period - May 3, 2007 to December 31, 2007)

3/4. Type of Animals	Maximum Number of Animals between May 3, 2007 and Dec. 31, 2007	Open Confinement (# of animals in open lots including those with shades)	Housed Under Roof (# of animals in freestall barns)	Average Live Weight ** (lbs/head)	Average Milk Production (lbs/cow/day)	Predominant Breed of Animals***	Total Manure lbs/day*	Nitrogen lbs/day*	Phosphorus lbs/day*	Potassium lbs/day*
Milk cows	988		988	1,400	68	Holstein	137,394	899	152	189
Dry cows	195	195		1,500		Holstein	15,806	98	13	64
Bred Heifers 15-24 months	550	550				Holstein	21,559	143	24	
Heifers 7-14 months	250	250				Holstein	9,799	65	11	
Calves 4-6 months	0					Holstein	0	0	0	
Calves 0-3 months	0					Holstein	0	0	0	
Other types of commercial animals										
Total pounds for report period							22,424	292/67	486/05	614/78
Total tons for report period										

*American Society of Agricultural Engineers D384.2 March 2005

** Refer to PDFA

***h=Holsteins, j=Jersys, h-j=crossbreds, bs=Brown Swiss, o=other

Estimated Amount of Process Wastewater Generated for the Report Period (Reporting Period - May 3, 2007 to December 31, 2007)

Rainwater (gal)	2,264,223
Milk Barn (gal)	829,800
Fresh Flush (gal)	0
Total Gallons	3,094,023
Storage Period (days)	120
Process Wastewater Generated for Report Period (gal)	6,265,397

(Current PDFA Pg 5. D)
 (Current PDFA Pg 5. D)
 (Current PDFA Pg 5. D)
 (Current PDFA Pg. 4 B)

Name of Dairy Facility
 Facility Address

Henry Tosta Dairy
 20662 San Jose Road, Tracy, California 95304

ANNUAL DAIRY REPORT JULY 1, 2008

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

Henry Tosta
Signature of Owner of Facility

Henry Tosta
Signature of Operator of Facility

Henry Tosta
Print of Type Name

Henry Tosta
Print of Type Name

6-24-08
Title and Date

6-24-08
Title and Date

Note:

- The results of monitoring conducted more frequently than required at the locations specified in the Monitoring and Reporting Program shall be included in the Annual Report. (You only need to submit the results of additional monitoring if the extra monitoring is being conducted at locations and for the constituents that are already required to be monitored under the Monitoring and Reporting Program.)
- Laboratory analyses for manure, wastewater and soil shall be submitted to the Central Valley Water Board upon request by the Executive Officer.

The annual report shall be postmarked no later than July 1, 2008 and mailed to:

For facilities in Fresno, Kern, Kings, Madera, Mariposa and Tulare counties:

California Regional Water Quality Control Board
Central Valley Region
1685 E Street
Fresno, CA 93706
Attention: Confined Animal Regulatory Unit

For facilities in Butte, Lassen, Modoc, Plumas, Tehama and Shasta counties:

California Regional Water Quality Control Board
Central Valley Region
415 Knollcrest Dr., Suite 100
Redding, CA 96002
Attention: Confined Animal Regulatory Unit

For facilities in all other counties:

California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Dr., #200
Rancho Cordova, CA 95670
Attention: Confined Animal Regulatory Unit

No Changes

Preliminary Dairy Facility Assessment Report

RECEIVED
SACRAMENTO
CVR WQCB

DAIRY FACILITY INFORMATION

08 JUL -2 PM 3:10

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Henry Tosta Dairy

Physical address of dairy:

20662 San Jose Road Tracy San Joaquin 95304
Number and Street City County Zip Code

Street and nearest cross street (if no address):

LAND AREA ESTIMATES

A. LAND AREA

Size of the dairy production area (corrals, barns, ponds, feed storage): 20.0 acres

Estimated area (including roofed, impervious, and earthen surfaces) that receives rainfall which drains into the wastewater retention pond(s): 2.0 acres

Size of the crop land area currently used for manure (lagoon and solids) application: 687.0 acres

HERD AND MILKING ESTIMATES

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number / head	988	195	550	250	0	0
Avg live weight (lbs)	1,400	1,500	1,100	750		
Avg milk production (lbs/cow/day)	68					
Daily hours on flush	0	0	0	0		

Predominant animal breed: Holstein

Storage period: 120 days

Average number of milk cows per string sent to milkbarn: 198 milk cows per string

Number of milkings per day: 2.0 milkings per day

Number of times milk tank is emptied each day: 1.0 milk loads per day

Number of hours spent milking each day: 15.0 hours per day

Bulk tank wash and sanitizing: 3 run cycles

Pipeline wash and sanitizing: 3 run cycles

Copies of this assessment shall be maintained for 10 years.

These calculations are preliminary and approximate only. Completion of your Waste Management Plan and Nutrient Management Plan will provide you with more detailed and precise calculations upon which to make important decisions.

Preliminary Dairy Facility Assessment Report

B. MILKBARN EQUIPMENT AND PARLOR FLOOR WASH

All numerical values in gallons per day	Milkbarn/parlor floor wash	Fresh water used in manure flush lanes	Plate coolers	Vacuum pumps / air compressors / chillers
Selected Type:	Traditional Manual Parlor Floor Wash		Well Water Cooled (Water Reused/Recycled)	Well Water Cooled (Water Reused/Recycled)
Estimated:	9,980		31,248	22,500
User-Entered:	1,000		2,950	1,000
Volume used in calculations:	1,000		2,950	1,000
Source is recycled water:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

C. MISCELLANEOUS EQUIPMENT

No miscellaneous equipment added to the preliminary dairy facility assessment.

D. DRINKING WATER SOURCE

Reused water is the source of herd drinking water: Yes No
 If yes, total amount of reused water consumed: _____ gallons per head per day

E. SPRINKLER PEN

Number of sprinklers in the holding pen: _____ 45 sprinklers
 Length of each sprinkler cycle: _____ 2.0 minutes
 Number of sprinkler pen cycles per string: _____ 2 cycles/string
 Water flow rate of each sprinkler head: _____ 2.5 gallons per minute
 Sprinkler pen wastewater volume: _____ 4,490 gallons per day
 Sprinklers reuse water from equipment: Yes No

F. MILKBARN WATER CALCULATIONS

Water available for reuse/recycle: _____ 3,950 gallons per day
 Recycled water used again: _____ 5,490 gallons per day
 Balance: _____ 0 gallons per day
 Milkbarn water sent to pond: _____ 6,915 gallons per day
 Milkbarn water leaving system: _____ 0 gallons per day

RETENTION PONDS STORAGE CAPACITY ESTIMATES

A. PONDS

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Preliminary Dairy Facility Assessment Report

Basin Name	numerical values in feet						Storage Volume Corrected for Dead Storage Loss (ft ³)
	Earthen Length (EL)	Earthen Width (EW)	Earthen Depth (ED)	Side Slope H:V (S)	Free Board (FB)	Dead Storage Loss (DS)	
Lagoon 1	660	60	15	2.0	2	1	213,312
Lagoon 2	700	90	20	2.0	2	1	543,479
Lagoon 3	200	200	6	1.0	2	1	111,756
Lagoon 4	200	200	6	1.0	2	1	111,756
Lagoon 5	200	200	6	1.0	2	1	111,756
Lagoon 6	200	200	6	1.0	2	1	111,756
Lagoon 7	200	200	6	1.0	2	1	111,756

RAINFALL ESTIMATES

A. RAINFALL AND DRAINAGE INFORMATION

Rainfall station nearest the facility: Tracy Carvana

Storage period: 120 days

25 year / 24 hour storm event (NOAA Atlas 2, 1973): 2.50 inches

Storage period rainfall (DWR climate data): 6.82 inches

Combined storage period rainfall and 25 year / 24 hour storm event: 9.32 inches

Estimated rainfall onto and drained into the wastewater retention pond: 2,264,223 gallons

NUTRIENT REMOVAL BY CROP ESTIMATES

A. CROPS

Acres Planted	Crop Type	Yield (tons/acre)	Moisture (%)	Protein (%)	Phosphorus (lbs/ton yield)	Nitrogen Removed (lbs)	Phosphorus Removed (lbs)
283	Alfalfa hay	10.0	12.0	21.0	5.4	167,355	15,282
215	Corn silage	25.0	70.0	12.0	1.5	61,920	8,063
215	Oats silage soft dough	16.0	70.0	10.0	1.6	33,024	5,504

ANNUAL NUTRIENT IMPORT & EXPORT ESTIMATES

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Preliminary Dairy Facility Assessment Report

A. ANNUAL NUTRIENT IMPORTS

Combined estimate of nutrients from commercial fertilizers and atmospheric Nitrogen applied to crops:

Nutrient Description	Amount Applied (lbs)
Nitrogen (N)	64,500
Phosphorus as Orthophosphate (P2O5)	0
Potassium as Potash (K2O)	0
Atmospheric Nitrogen Deposition	9,618

Atmospheric Nitrogen Deposition Rate (ANDR) = 14 lbs N / acre / year.

B. ANNUAL NUTRIENT EXPORTS

Manure Type	Volume Exported	Moisture Content	Total Nitrogen	Total Phosphorus
Separator Solids	0 tons	0.00 %	0.00 %	0.00 %
Corral Solids	0 tons	0.00 %	0.00 %	0.00 %
Liquid Manure	0 gallons	N/A	0.00 mg/L	0.00 mg/L

PRELIMINARY DAIRY FACILITY ASSESSMENT SUMMARY

A. LAND USE

Dairy production area (corrals, barns, ponds, feed storage): _____ 20 acres

Estimate the area (including roofed, impervious, and earthen surfaces) that receives rainfall which drains into a wastewater retention pond: _____ 2 acres

Crop land area used for manure application: _____ 687 acres

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B. HERD, MILKING, AND MILKBARN/PARLOR

Milk cows:	<u>988</u> head
Dry cows:	<u>195</u> head
Bred heifers (15 - 24 months):	<u>550</u> head
Heifers (7 - 14 months to breeding):	<u>250</u> head
Calves (4 - 6 months):	<u>0</u> head
Calves (0 - 3 months):	<u>0</u> head
Total number of animals:	<u>1,983</u> head
Average number of milk cows per string sent to milk barn:	<u>198</u> cows per string
Number of milking strings entering milk barn per milking:	<u>4.99</u> strings per milking
Storage period:	<u>120</u> days
Total manure production by herd for storage period:	<u>382,545</u> cu. ft.
Estimated manure production for storage period (to dry lot):	<u>382,545</u> cu. ft.
Estimated manure production for storage period (to pond):	<u>0</u> gallons
Total milkbarn water volume for storage period (to pond):	<u>829,800</u> gallons

C. ROOFED, IMPERVIOUS, AND EARTHEN RAINFALL RUNOFF AREAS

Total area receiving rainfall and draining to ponds (production area):	<u>87,120</u> sq. ft.
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D. RETENTION POND AND SETTLING BASIN ESTIMATES

Liquid storage surface area (retention ponds only):	<u>302,600</u> sq. ft.
Rainfall onto and drained into retention ponds for storage period:	<u>2,264,223</u> gallons
Waste production as manure:	<u>0</u> gallons
Milkbarn water:	<u>829,800</u> gallons
Milkbarn water comparative estimate:	<u>7</u> gallons per cow per day
Fresh flush water for storage period:	<u>0</u> gallons
25 year / 24 hour storm event (NOAA Atlas 2, 1973):	<u>2.50</u> inches
Critical storage period rainfall (DWR Climate Data):	<u>6.82</u> inches
Combined critical storage period and 25 year / 24 hour storm event:	<u>9.32</u> inches
Total storage capacity required:	<u>3,094,023</u> gallons
	<u>413,611</u> cu. ft.
Existing storage capacity (adjusted for dead storage loss):	<u>9,841,152</u> gallons
	<u>1,315,571</u> cu. ft.
Existing capacity meets estimated storage needs:	<u>Yes</u>

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E. NITROGEN (N) AND PHOSPHORUS (P) EXCRETION ESTIMATES

Daily gross nitrogen excretion estimates:	1,205 lbs nitrogen per day
Annual gross nitrogen excretion estimates:	439,753 lbs nitrogen per year
Nitrogen to pond storage after ammonia losses (30% loss applied):	0 lbs nitrogen per year
Nitrogen to drylot storage after ammonia losses (30% loss applied):	307,827 lbs nitrogen per year
Total nitrogen in storage (ponds and drylot combined):	307,827 lbs nitrogen per year
Daily gross phosphorus excretion estimates:	200 lbs phosphorus per day
Annual gross phosphorus excretion estimates:	73,008 lbs phosphorus per year
Phosphorus to pond storage:	0 lbs phosphorus per year
Phosphorus to drylot storage:	73,008 lbs phosphorus per year
Total phosphorus in storage (ponds and drylot combined):	73,008 lbs phosphorus per year

F. NITROGEN AND PHOSPHORUS IMPORT ESTIMATES

Total nitrogen imports onto facility as commercial fertilizers:	64,500 lbs nitrogen per year
Atmospheric Nitrogen Deposition (ANDR):	9,618 lbs nitrogen per year
Total phosphorus imports onto facility as commercial fertilizers:	0 lbs phosphorus per year

G. NITROGEN AND PHOSPHORUS EXPORT ESTIMATES

Total nitrogen exports off facility as manure:	0 lbs nitrogen per year
Total phosphorus exports off facility as manure:	0 lbs phosphorus per year

H. ANNUAL NITROGEN AND PHOSPHORUS BALANCE ESTIMATE

Total nitrogen in storage (after 30% ammonia loss):	307,827 lbs
Nitrogen imported (as commercial fertilizer and ANDR):	74,118 lbs
Nitrogen exported as manure:	0 lbs
Nitrogen removed by crops:	262,299 lbs
Excess nitrogen (N generated - N removed):	119,646 lbs
Whole farm nitrogen balance ratio:	1.46

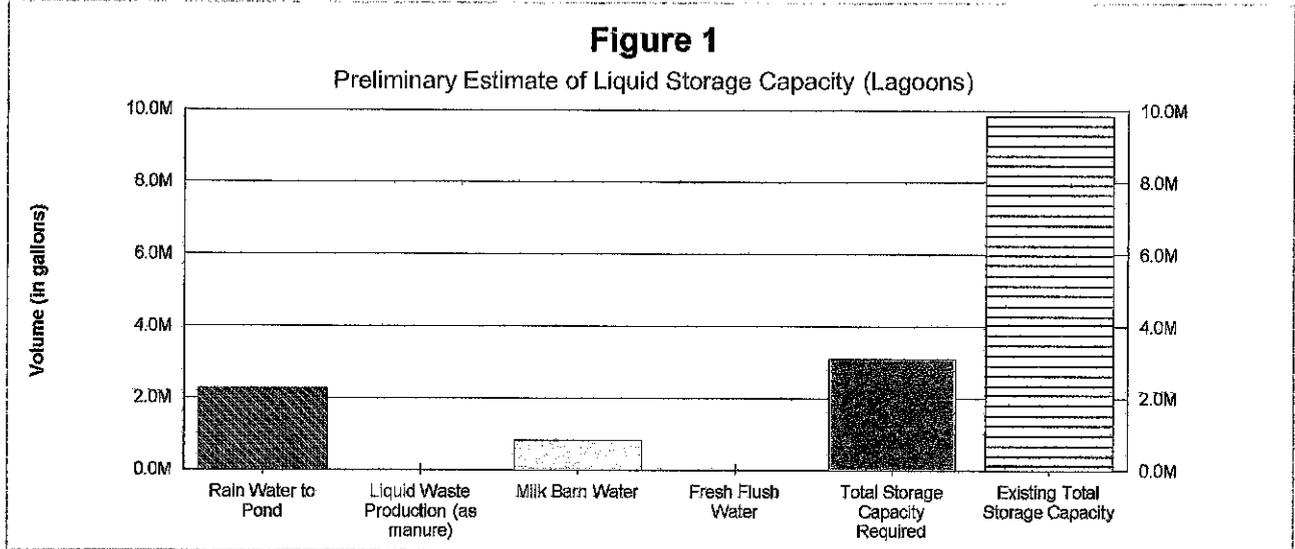
Total phosphorus in storage:	73,008 lbs
Phosphorus imported as commercial fertilizer:	0 lbs
Phosphorus exported as manure:	0 lbs
Phosphorus removed by crops:	28,849 lbs
Excess phosphorus (P generated - P removed):	44,159 lbs

Copies of this assessment shall be maintained for 10 years.

These calculations are preliminary and approximate only. Completion of your Waste Management Plan and Nutrient Management Plan will provide you with more detailed and precise calculations upon which to make important decisions.

CHARTS

A. FIGURE 1



This graph estimates how many gallons of water and waste are sent to the wastewater storage ponds (lagoons) on your dairy during the selected 120 day storage period.

Your wastewater storage ponds (lagoons) must be very close to empty as a result of applying nutrients to crops over the last year starting in the beginning of October and should not fill before February.

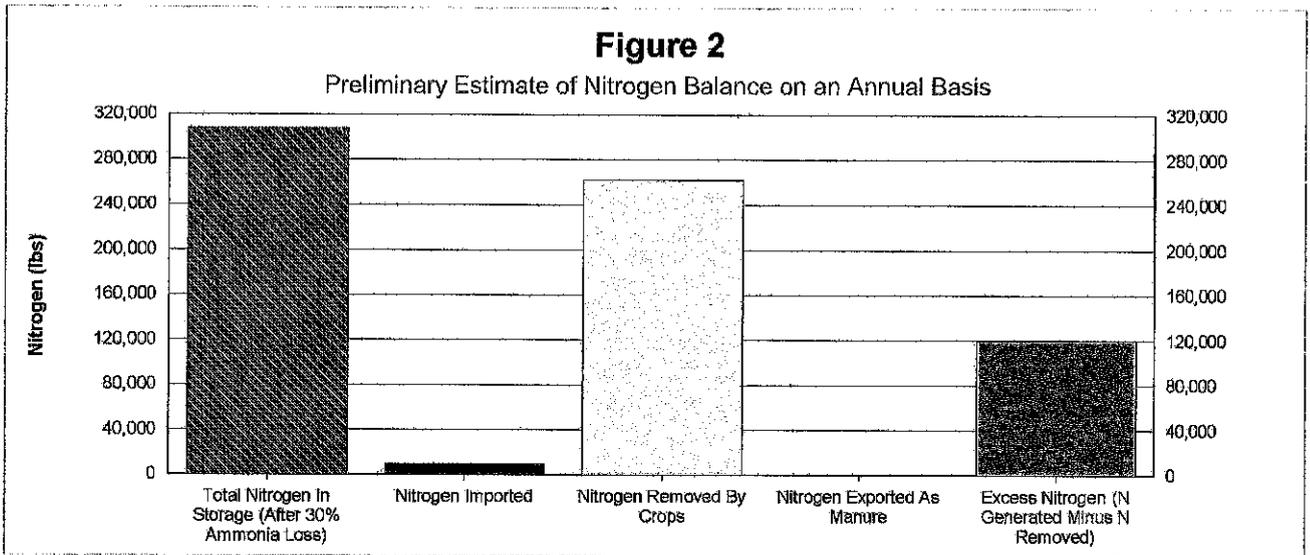
Existing Storage Capacity:	9,841,152 gallons
Required Storage Capacity:	3,094,023 gallons
Storage Capacity Difference:	6,747,129 gallons

The estimated pond capacity appears to be adequate.

Copies of this assessment shall be maintained for 10 years.

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B. FIGURE 2



This graph estimates the total pounds of nitrogen excreted from the herd ending up in storage, imported, removed by all crops associated with the dairy, exported (typically as dry manure), and balance, excess, or deficiency on an annual basis.

Nutrients must be applied at rates and times appropriate for the crop to prevent surfacewater and groundwater degradation.

Total nitrogen in storage (after 30% ammonia loss):	307,827 pounds
Nitrogen imported:	74,118 pounds
Nitrogen exported (as manure):	0 pounds
Nitrogen removed by crops:	262,299 pounds
Nitrogen excess or deficiency:	119,646 pounds
Whole farm nitrogen balance ratio:	1.46 (regulatory limit 1.65*)

It appears that the crop rotation may be capable of removing the nitrogen applied on an annual basis.

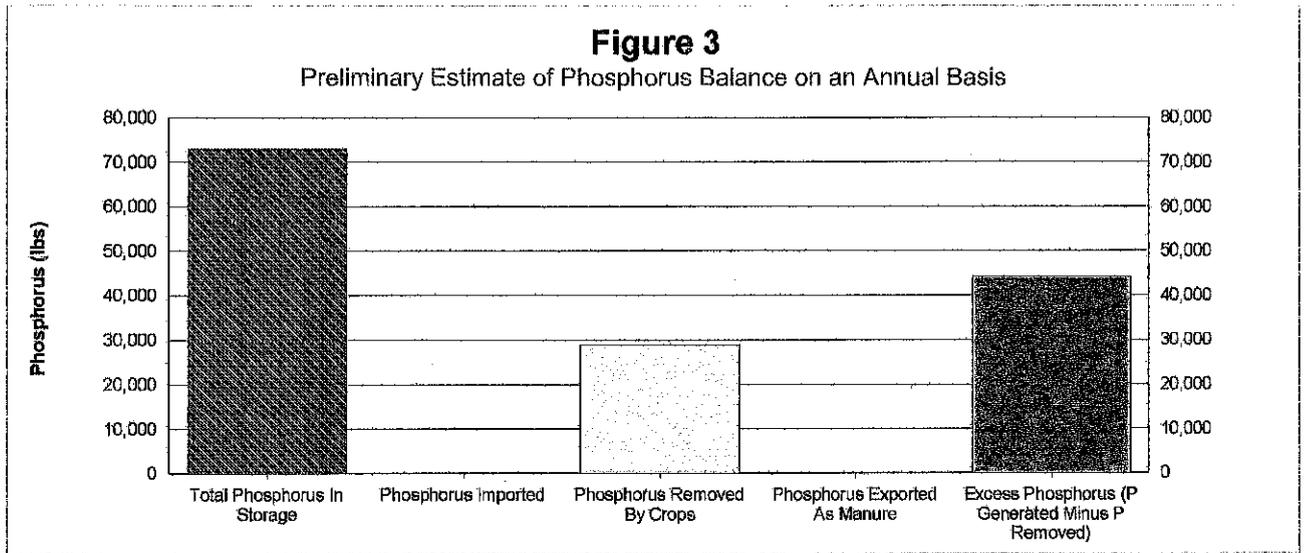
***Whole Farm Nitrogen Balance alone does not assure compliance, you cannot list cropland acreage or claim nutrient uptake for cropland that lacks infrastructure for controlled nutrient applications at agronomic rates and times.**

Nitrogen balance ratio = (Total nitrogen in storage - Nitrogen exported + Nitrogen in Irrigation water + Nitrogen imports) / Crop removal

Copies of this assessment shall be maintained for 10 years.

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C. FIGURE 3



This graph estimates the total pounds of phosphorus excreted from the herd ending up in storage, imported, removed by all crops associated with the dairy, exported (typically as dry manure), and balance, excess, or deficiency on an annual basis.

Nutrients must be applied at rates and times appropriate for the crop to prevent surfacewater and groundwater degradation.

Total phosphorus in storage:	73,008 pounds
Phosphorus imported:	0 pounds
Phosphorus exported (as manure):	0 pounds
Phosphorus removed by crops:	28,849 pounds
Phosphorus excess or deficiency:	44,159 pounds

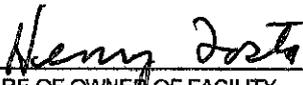
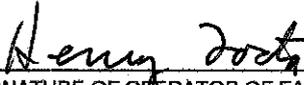
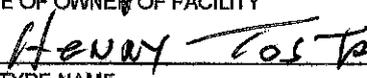
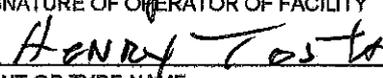
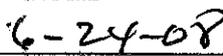
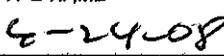
It appears that the crop rotation may NOT be capable of removing the phosphorus applied on an annual basis.

Copies of this assessment shall be maintained for 10 years.

These calculations are preliminary and approximate only. Completion of your Waste Management Plan and Nutrient Management Plan will provide you with more detailed and precise calculations upon which to make important decisions.

CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT 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. IN ADDITION, I CERTIFY THAT THE PROVISIONS OF WASTE DISCHARGE REQUIREMENTS GENERAL ORDER NO. R5-2007-0035, INCLUDING THE DEVELOPMENT AND IMPLEMENTATION OF A NUTRIENT MANAGEMENT PLAN AND WASTE MANAGEMENT PLAN, WILL BE COMPLIED WITH."

 SIGNATURE OF OWNER OF FACILITY	 SIGNATURE OF OPERATOR OF FACILITY
 PRINT OR TYPE NAME	 PRINT OR TYPE NAME
 TITLE AND DATE	 TITLE AND DATE

Copies of this assessment shall be maintained for 10 years.

These calculations are preliminary and approximate only. Completion of your Waste Management Plan and Nutrient Management Plan will provide you with more detailed and precise calculations upon which to make important decisions.

Existing Conditions Report
For
Existing Milk Cow Dairies

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DAIRY FACILITY INFORMATION

08 JUL -2 PM 3:10

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Henry Tosta Dairy

Physical address of dairy:

20662 San Jose Road Tracy San Joaquin 95304
Number and Street City County Zip Code

Street and nearest cross street (if no address): _____

County Assessor parcel number(s) for dairy facility:

0209-0290-0007-0000

County Assessor parcel number(s) for each land application area (where manure and/or process wastewater is applied under control of the owner or operator whether it is owned, rented or leased):

0209-0200-0016-0000 0209-0290-0003-0000 0209-0290-0006-0000 0209-0290-0007-0000 0209-0290-0017-0000
0209-0290-0018-0000 0209-0290-0020-0000 0209-0290-0024-0000 0209-0290-0025-0000 0209-0290-0026-0000
0209-0290-0027-0000 0209-0290-0033-0000 0209-0300-0018-0000 0212-0090-0001-0000 0239-0160-0002-0000
0239-0160-0003-0000 0239-0160-0015-0000 0239-0160-0016-0000

B. OPERATOR NAME: Tosta, Henry

Telephone no.: (209) 836-1286

Landline Cellular

Mailing address of operator of dairy:

20662 San Jose Road Tracy CA 95304
Number and Street City State Zip Code

Operator should receive Regional Board correspondence (check): Yes No

C. NAME OF LEGAL OWNER: Tosta, Henry

Telephone no.: (209) 836-1286

Landline Cellular

Mailing address of legal owner:

20662 San Jose Road Tracy CA 95304
Number and Street City State Zip Code

Owner should receive Regional Board correspondence (check): Yes No

DAIRY FACILITY ASSESSMENT

A. WASTE MANAGEMENT PLAN AND NUTRIENT MANAGEMENT PLAN:

Have you completed a Waste Management Plan in accordance with the requirements of the [] Yes [X] No
Waste Discharge Requirements General Order No.R5-2007-0035?

If yes, please attach a copy of the Waste Management Plan to this report.

If no, please complete a Preliminary Dairy Facility Assessment of your dairy as described in (B), below.

Have you completed a Nutrient Management Plan in accordance with the requirements of the [] Yes [X] No
Waste Discharge Requirements General Order No.R5-2007-0035?

If yes, please attach a copy of the Nutrient Management Plan to this report.

If no, please complete a Preliminary Dairy Facility Assessment of your dairy as described in (B), below.

Existing Conditions Report
For
Existing Milk Cow Dairies

B. PRELIMINARY DAIRY FACILITY ASSESSMENT:

If you have not completed a Waste Management Plan and Nutrient Management Plan as described in (A), above, please complete and attach a Preliminary Dairy Facility Assessment for your dairy. The Preliminary Dairy Facility Assessment is available electronically on the Regional Water Quality Control Board website linked below. The Assessment must be completed electronically and a copy of the results attached to this Existing Conditions Report that you submit to the Executive Officer.

California Central Valley Dairy Waste and Nutrient Management:
<http://www.co.merced.ca.us/EnvironmentalHealthWM>

ADDITIONAL DAIRY FACILITY INFORMATION

A. REPORT OF WASTE DISCHARGE SUBMITTED:

Is all of the information you provided in the Report of Waste Discharge that was due on 17 October 2005 Yes No still correct?

B. GROUNDWATER MONITORING:

Are there any groundwater monitoring wells at your dairy? Yes No

Has a monitoring well installation and sampling plan been submitted to the Regional Water Quality Control Board? Yes No

Is groundwater monitoring being conducted at your dairy? Yes No

C. SUBSURFACE (TILE) DRAINAGE:

Please indicate below the Assessor Parcel Number for each land application area that has a subsurface (tile) drainage system and the point of discharge (e.g., drainage ditch, creek, stream, evaporation basin):

Assessor Parcel Number(s)	Point of Discharge

D. THIRD PARTY USE OF PROCESS WASTEWATER:

Do you provide process wastewater to a third party for their own use? Yes No

E. ANAEROBIC DIGESTERS:

Does your dairy treat process wastewater in an anaerobic digester? Yes No

F. MORTALITY:

Indicate how mortality is handled:

Rendering service Burial Other (describe) _____

G. CHEMICAL USE:

Indicate all chemicals used at the facility that are stored in the waste storage system or that could be discharged to surface water or groundwater and the approximate amounts used annually:

	Type	Approximate Annual Amount Used
Disinfectant	Acid	476
	Chlorine	476
Footbath	none	none
Pesticide	none	none
Soap	soap	576
Other	teat dip	2700

Existing Conditions Report
For
Existing Milk Cow Dairies

H. SITE MAP:

Provide a site map (Aerial or topographic) of your dairy which shows the following in sufficient detail: dairy facility property boundaries; locations of all monitoring, domestic, and irrigation wells; process wastewater retention ponds; milking parlor; animal housing; corrals; and all land application areas with identification of land used for application of manure and/or process wastewater.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) COMPLIANCE

- A. Was your dairy operating at its current location as of 17 October 2005? Yes No
- If yes, has your dairy expanded by more than 15% since 17 October 2005? Yes No
- If yes (i.e., your dairy did expand by more than 15%), did you submit a report of waste discharge (ROWD) to the Regional Water Quality Control Board for the expansion? Yes No

CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT 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. IN ADDITION, I CERTIFY THAT THE PROVISIONS OF WASTE DISCHARGE REQUIREMENTS GENERAL ORDER NO.R5-2007-0035, INCLUDING THE DEVELOPMENT AND IMPLEMENTATION OF A NUTRIENT MANAGEMENT PLAN AND WASTE MANAGEMENT PLAN, WILL BE COMPLIED WITH."

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

PRINT OR TYPE NAME

PRINT OR TYPE NAME

TITLE AND DATE

TITLE AND DATE

06/06/2008

Page 3 of 3

ATTACHMENT D

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**Manure/Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies**

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Instructions:

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
- 2) If there are multiple destinations, **complete a separate form for each destination.**
- 3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
- 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

Operator Information:

Name of Operator: Henry Tosta

Name of Dairy Facility: Henry Tosta Dairy

Facility Address: 20662 San Jose Rd. Tracy CA. 95304
Number and Street City Zip Code

Contact Person Name and Phone Number: Henry Tosta 836-1280
Name Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Arnaldo's Bros.

Address of Hauling Company /Person: Tracy Blvd Tracy 95376
Number and Street City Zip Code

Contact Person: Anthony Enos 483-0350
Name Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

Contact information of Composting Facility, Broker, Farmer or Other (as identified above):

Arnaldo Bros. Tracy Blvd Tracy 95376 483-0350
Name Number and Street City Zip Code Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

Number and Street City Zip Code Assessor's Parcel Number

Dates Hauled: Oct. 2007

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 4000 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): _____

Manure Density (if amount reported in cubic yards): _____

this is 2 yrs. worth.



STATEMENTS OF COMPLETION FOR EXISTING MILK COW DAIRIES UNDER WASTE DISCHARGE REQUIREMENTS GENERAL ORDER NO. R5-2007-0035



CDQAP - WDR General Order Reference Binder TAB 6.9, Version 2-29-08

Waste Discharge Requirements General Order No. R5-2007-0035 for Existing Milk Cow Dairies (General Order) requires owners and operators of existing milk cow dairies (Dischargers) to develop and implement a Nutrient Management Plan for their land application areas (land under control of the Discharger, whether it is owned, rented, or leased, to which manure or process wastewater from the production area is or may be applied for nutrient cycling). The Discharger is required to maintain the NMP at the dairy, make the NMP available to Central Valley Water Board staff during their inspections, and submit the NMP to the Executive Officer upon request.

The General Order requires the Discharger to submit two Statements of Completion during development of the NMP. The Discharger may use this form to comply with the General Order requirement to submit one or both of these Statements of Completion. Parts I and IV must be completed for each Statement of Completion. Parts II and III are to be completed for the Statements of Completion due by 1 July 2008 and 1 July 2009, respectively. Both the owner and operator of the dairy must sign this form in Part IV below.

PART I: DAIRY FACILITY INFORMATION

Name of Dairy Facility: Henry Tosta Dairy

Physical Address of Dairy Facility:

20662 San Jose Road, Tracy, San Joaquin 95304

Name of Operator: Henry Tosta Phone Number: 209 836 1286

Operator Mailing Address:

20662 San Jose Rd, Tracy, San Joaquin 95304

Name of Owner: Henry Tosta Phone Number: 836 1286

Owner Mailing Address:

20662 San Jose Rd, Tracy, San Joaquin 95304



**STATEMENTS OF COMPLETION
FOR EXISTING MILK COW DAIRIES UNDER
WASTE DISCHARGE REQUIREMENTS
GENERAL ORDER NO. R5-2007-0035**



CDQAP - WDR General
Order Reference Binder
TAB 6.9, Version 2-29-08

PART IV: CERTIFICATION STATEMENT

I certify under penalty of law that I have completed the items of the Nutrient Management Plan that are checked in Parts II and/or III above for the dairy identified in Part I above and that the appropriate certified nutrient management specialist has certified the items requiring such certification as noted in Part II and/or III above and that I have personally examined and am familiar with the information submitted in Parts I, II, and III of this document 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.

<u>Henry Tosta</u>	<u>Henry Tosta</u>
SIGNATURE OF OWNER	SIGNATURE OF OPERATOR
<u>HENRY TOSTA</u>	<u>HENRY TOSTA</u>
PRINT OR TYPE NAME	PRINT OR TYPE NAME
<u>6-24-08</u>	<u>6-24-08</u>
DATE	DATE

California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Dr., #200
Rancho Cordova, CA 95670

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Confined Animal Regulatory Unit;

This is to advise you that there are no "monitoring well" results for 2007

Thank you *Kathryn Wilkins*
Kathryn Wilkins,
California Dairy Campaign

California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Dr., #200
Rancho Cordova, CA 95670

Confined Animal Regulatory Unit;

For; Henry Tosta Dairy
20662 San Jose Road, Tracy, Ca 95304

Re; Facility Description
Section; 12, Township; 2S, Range; 4E

All information needed is attached.

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CALIFORNIA ENVIRONMENTAL
PROTECTION AGENCY



OPERATION AND MAINTENANCE PLAN

Dairy Name: Henry Tosta

Dairy Address: 20662 San Jose Rd

Plan Preparation Date: 6/24/08

Plan Update Date (if applicable): _____

Operational Plan Checklist

- No agitation system
- Settling basins are used
- Weeping walls are used
- Mechanical sand separation is used
- Gravity sand separation is used
- Lagoon or pond is covered with a non-permeable cover including a gas capture system
- Lagoon or pond has a non-permeable cover without a gas capture system
- Lagoon or pond has a semi-permeable cover
- Lagoon or pond has a bio-cover
- Lagoon or pond has a natural or artificial crust by operational design
- Lagoon or pond has a method of measuring freeboard
- Lagoon or pond sludge accumulation is monitored

- Other _____

FEED STORAGE AREA

Standard Operating Procedures:

- Concentrate feedstuffs and feed commodities are stored in barns
- Concentrate feedstuffs and feed commodities are stored on cement/asphalt
- Concentrate feedstuffs and feed commodities are stored on earthen ground
- Concentrate feedstuffs and feed commodities are covered
- Concentrate feedstuffs and feed commodities are not covered
- Silage piles are covered
- Silage piles are uncovered
- Silage is bagged
- Liquids, including rain runoff are collected and conveyed to the liquid storage system
- Liquids, including rain runoff are collected in a centralized point and pumped to the liquid storage system
- Berms, ditches, or other methods are used to divert run-on or clean run-off
- Berms, ditches, or other methods are used to direct contaminated run-off to collection point or to a conveyance to the liquid storage system
- Non-manure commodities used for bedding are stored in barns
- Non-manure commodities used for bedding are stored in/on cement/asphalt
- Non-manure commodities used for bedding are stored in/on earthen ground
- Non-manure commodities used for bedding are covered
- Non-manure commodities used for bedding are uncovered

- Other _____

LAND APPLICATION AREAS

Standard Operating Procedures

- Liquid manure is applied blended with irrigation water
- Liquid manure is applied full strength
- Flood irrigation
- Sprinkler irrigation line
- Big gun irrigation

Operational Plan Checklist

- Liquid manure is applied with trucks or trailers
- Liquid manure is applied with center pivot system
- Drop Hoses
- Sprinkler Heads
- Liquid manure injected
- Liquid manure not injected
- Liquid manure tilled under within 3 days
- Liquid manure not tilled under within 3 days
- Liquid manure used on pasture
- Irrigation lines hand set
- Irrigation lines automatically reeled
- Slurry manure applied with tank or vacuum tank trucks or trailers
- Slurry manure applied by drag hose system
- Slurry manure injected
- Slurry manure not injected
- Slurry manure tilled under within 3 days
- Slurry manure not tilled under within 3 days
- Slurry manure used on pasture
- Dry manure spread by truck and/or trailer
- Dry manure tilled under within 3 days
- Dry manure not tilled under within 3 days
- Dry manure tilled under when next crop is farmed
- Dry manure used on pasture
- Custom manure hauling service used (circle as appropriate: Liquid, Slurry, Dry)
- Personally-owned hauling equipment used (circle as appropriate: Liquid, Slurry, Dry)

- Other: _____

OTHER OPERATIONAL CONSIDERATIONS OR PLANS

Standard Operating Procedures

- Mortality management is consistent with current approved practices to minimize nuisance conditions and protect groundwater quality
- Salt management practices have been selected to limit the amount to that required to maintain animal health and optimum production

Other _____

Emergency manure management plan available to farm management staff on-site to address:

- Unauthorized discharge of manure
- Unauthorized discharge of contaminated storm water
- Pond failure (overflow)
- Pump failures
- Power failure

MAINTENANCE PLAN CHECKLIST

THE FOLLOWING MAINTENANCE PROCEDURES AND PRACTICES ARE UTILIZED ON THE _____ DAIRY.

Indicate those maintenance activities in each production area category that you are using in the operation of the manure management system on your dairy operation. Check all that apply. Where applicable, indicate the frequency that the activity is conducted. Mark "event" if the work is only done in response to an irregular event, such as rainfall.

Maintenance Plan Checklist

MILK BARN

- Have a scheduled maintenance program with equipment supplier
- Pumps and associated infrastructure maintained according to manufacturers direction
- Manufacturers recommendations are on file
- Flush valves clear and functional
- Floor drains clear and functional
- Water supply and hoses kept in good repair
- Floors maintained in good condition
- Milk parlor inspected
- Curbing and wastewater flow control measures maintained
- Other:

ANIMAL HOUSING AREAS

- Flush valves are maintained clear of debris
- Pumps are maintained on a schedule with equipment supplier
- Pumps are maintained by operator as recommended by manufacturer
- Pumps are checked prior to the rainy season to ensure proper function
- Roofs are guttered - drain to flush system
- Roofs are guttered - drain off production area
- Corral shades are guttered-downspouts drain to flush system
- Gutters and downspouts are cleaned as necessary to remain functional throughout rain season
- Gutters are inspected for leaks and serviced as necessary prior to the rainy season

Frequency (where applicable)				
Daily	Weekly	Monthly	Other	Event
		X		
X				
			X	
X				
X				
X				
				X
				X
				X

Maintenance Plan Checklist

- Run-on and run-off controls such as berms or ditches are inspected before the rain season to ensure they will work properly
- Run-on and run-off controls inspected during rain season
- A stream, drain, or other surface water does not flow through the confined areas
- A stream, drain, or other surface water flows through some or all of the confined areas
- Animals within confined areas are prevented from entering surface waters flowing through the confined area(Ex: creeks, rivers, streams)
- Other

MANURE STORAGE AREAS

- All waste storage areas, liquid or solid, and manure bedding storage areas, are inspected as required by Table 1 of Monitoring and Reporting Program No. R5-2007-0035
- Record-keeping requirements of Monitoring and Reporting Program No. R5-2007-0035 are being performed as directed.
- Solid manure stored outside of corrals is covered or protected from rainfall
- Solid manure stored outside of corrals is covered or protected from rainfall
- Runoff from solid manure piles is collected and conveyed to liquid storage system
- Solid manure storage areas are inspected for standing water during and after significant storm events
- Integrity of the solid manure storage surface is maintained
- Integrity of solid manure storage surface is repaired if it is damaged prior to additional use
- Pumps and other equipment are serviced and maintained on a schedule with equipment supplier
- Pumps and other equipment are serviced and maintained by operator as recommended by manufacturer

- Other manure management equipment (agitators, weirs, gates, valves)inspected, serviced and maintained in operating

Frequency (where applicable)				
Daily	Weekly	Monthly	Other	Event
				X
				X
			NO	
			NO	
			YES	
X				
		X		
X				
✓				X
			X	
			✓	

Maintenance Plan Checklist

- regularly
- Area is checked for proper drainage while in use
 - Employees are instructed to repair or report malfunctions
 - Pumps are checked and serviced as necessary prior to and during the rainy season
 - Feed covers are kept in good repair or replaced if necessary
 - Plastic from covers collected and prevented from clogging feed area runoff controls
 - Spoiled feed disposed of, covered or appropriately managed
 - Surface of feed storage area is managed to prevent infiltration of silage and feed leachate to underlying soil
 - Other

LAND APPLICATION AREAS

- Manure application vehicles maintained in operating condition
- Application equipment calibrated as necessary
- Transport ditches, pipelines kept in operating condition, free of debris
- Ditches and pipelines inspected for structural integrity, holes, erosion, etc
- Equipment is operated per manufacturers instructions
- Equipment is used for its intended use
- Spare parts (hoses, belts, roller chains, pipe fittings, etc) on hand or readily available 24/7
- Flow meters and associated system serviced and maintained as directed
- Field valves checked and verified operational before irrigating
- Other:

OTHER OPERATIONAL CONSIDERATIONS OR PLANS

Standard Operating Procedures

- Mortality management is kept up to date with current approved practices to minimize nuisance conditions and protect groundwater quality
- Salt management practices have been selected and updated to limit the amount of salt to that required to maintain animal health and optimum production
- Other:

Frequency (where applicable)				
Daily	Weekly	Monthly	Other	Event
X				
X				X
				X
		X		
X				
				X
				X
				X
				X
				X
				X
				X
X				

Maintenance Plan Checklist

Frequency (where applicable)				
Daily	Weekly	Monthly	Other	Event

- Emergency manure management SOPs are kept current and readily available to farm management staff on-site to address:
 - Unauthorized discharge of manure
 - Unauthorized discharge of contaminated storm water
 - Pond failure (overflow)
 - Pump failures
 - Power failure

Location of Waste Discharge Requirements, mortality management, salt management and emergency management plans:

Barn office

Location of equipment maintenance requirements and records:

Barn office and in Shop (log)

Location of sampling equipment, procedures and records:

Barn office

Parties trained to conduct Operations and Maintenance work:

Tommy Miguel Phil

Jun 27 09 10:37a

California Dairy Campaign 209-832-0706

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California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive #200
Rancho Cordova, Ca 95670-8114

Attention: Confined Animal Regulatory Unit

Re: Identification of Backflow Problems

For: Henry Tosta

Henry Tosta Dairy
20662 San Jose Road, Tracy, CA 95304

Please be advised that there is no need for "Backflow Prevention Check Off" as I have no irrigation wells to contaminate ground water.

Sincerely,

Henry Tosta

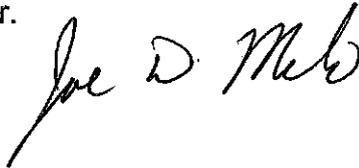
Henry Tosta
Henry Tosta Dairy

California Regional Water Quality Board
Central Valley Region
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6144
Attention: Confined Animal Regulatory Unit

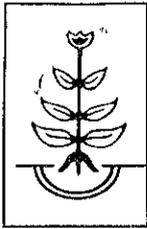
For: Henry Tosta
Henry Tosta Dairy, 20662 San Jose Road, Tracy, CA 95304

Please be advised that there is no need for a "Backflow Prevention Checkoff Inspection" as dairyman has no irrigation wells used for irrigation to contaminate ground water.

Sincerely,

A handwritten signature in cursive script that reads "Joe D. Melo". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Joe Melo
California Dairy Campaign



DENELE ANALYTICAL, INC.

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CYR WQCS

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1232 South Ave. • Turlock, CA 95380 • Ph. (209)634-9055 • Fax (209) 634-9057 • www.denelelab.com

DAIRY COMPLIANCE ANALYSIS REPORT California Dairy Campaign Advantage Member

HENRY TOSTA DAIRY
20662 SAN JOSE RD
TRACY CA 95304

Date Reported: 12/3/2007
Submitted By: HENRY TOSTA
Project ID:

Analysis Performed: H1

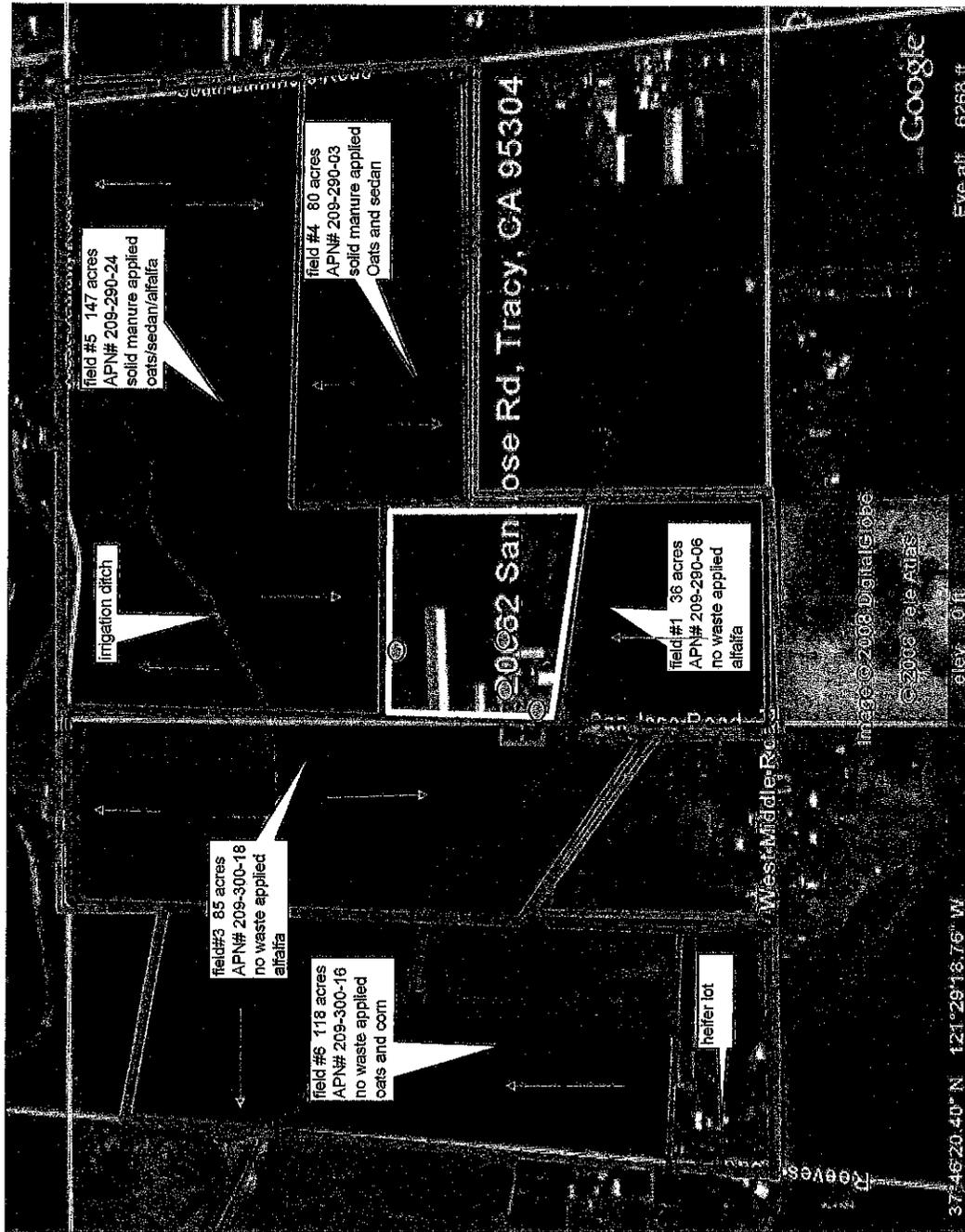
Sample ID	Lab ID	Analyte	Amount	Units	
MAIN WELL	126169	EC	0.66	mmhos/cm	
		NO3-N	1.4	mg/L	LOW

No Monitoring Wells Sampled in 2007

NO3 QC Batch

Blank	N.D.
Matrix Spike	95%
Matrix Spike Duplicate	94%
Lab Control Spike	98%
Lab Control Spike Duplicate	99%

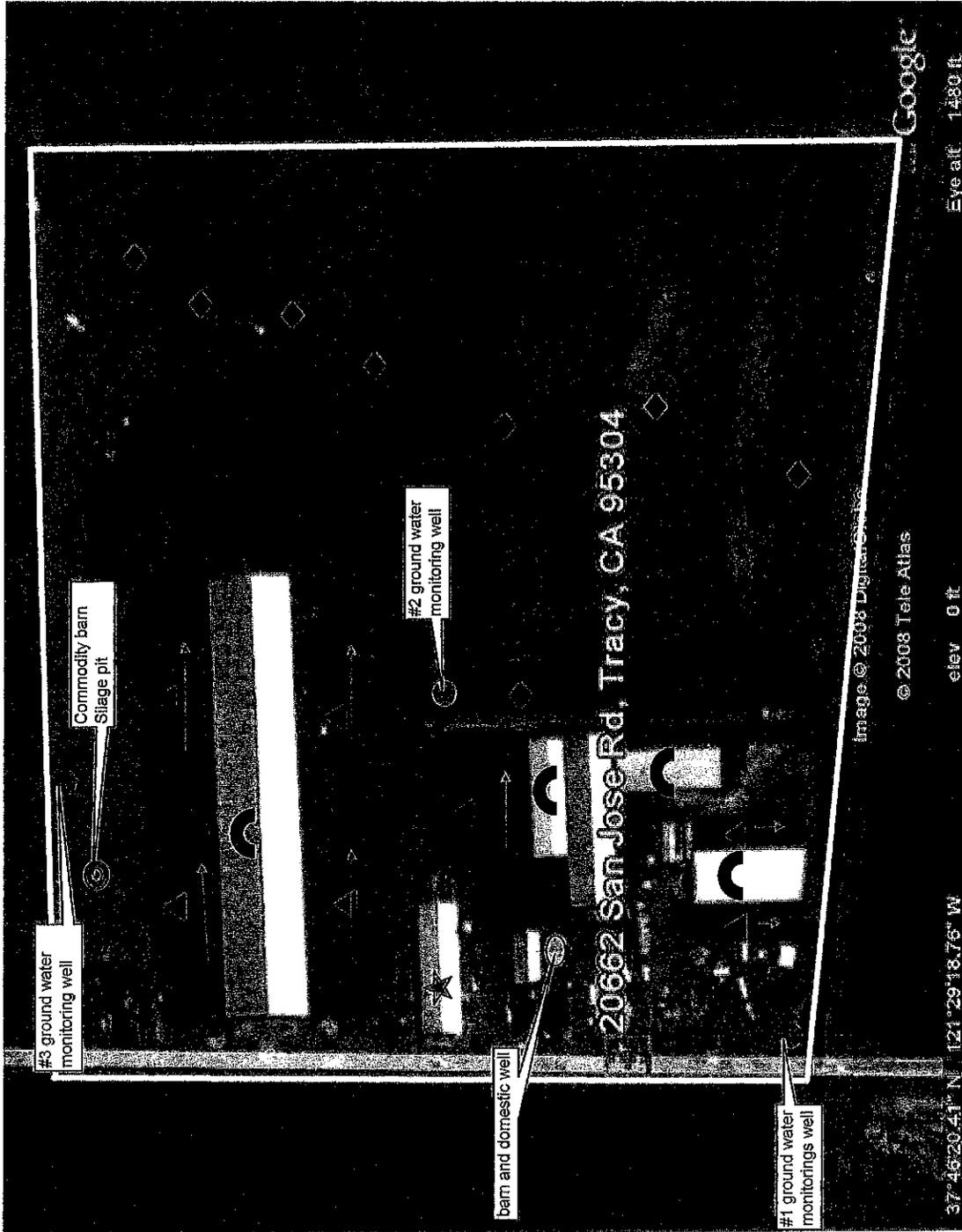
Henry Toste Dairy
Land Application



- potential discharge points
- drainage flow
- irrigation well
- domestic well
- barn well
- tail water return pump
- ground water monitoring well
- domestic well within 600'
- field boundaries
- facility boundaries
- land application boundaries
- land application boundaries
- land application boundaries

2 foot bank around entire land application area, no storm water discharge points, no irrigation supply wells, no storm or tailwater return pumps

Henry Tosta Dairy
Facility Map



- Facility Boundaries
- Milk Parlor
- Feed Storage
- Barn Well
- Drainage Flow
- Irrigation Well
- Animal Housing
- Corrals
- Pond
- Domestic Well
- Groundwater Monitoring Well

Eye alt. 1430 ft

elev. 0 ft

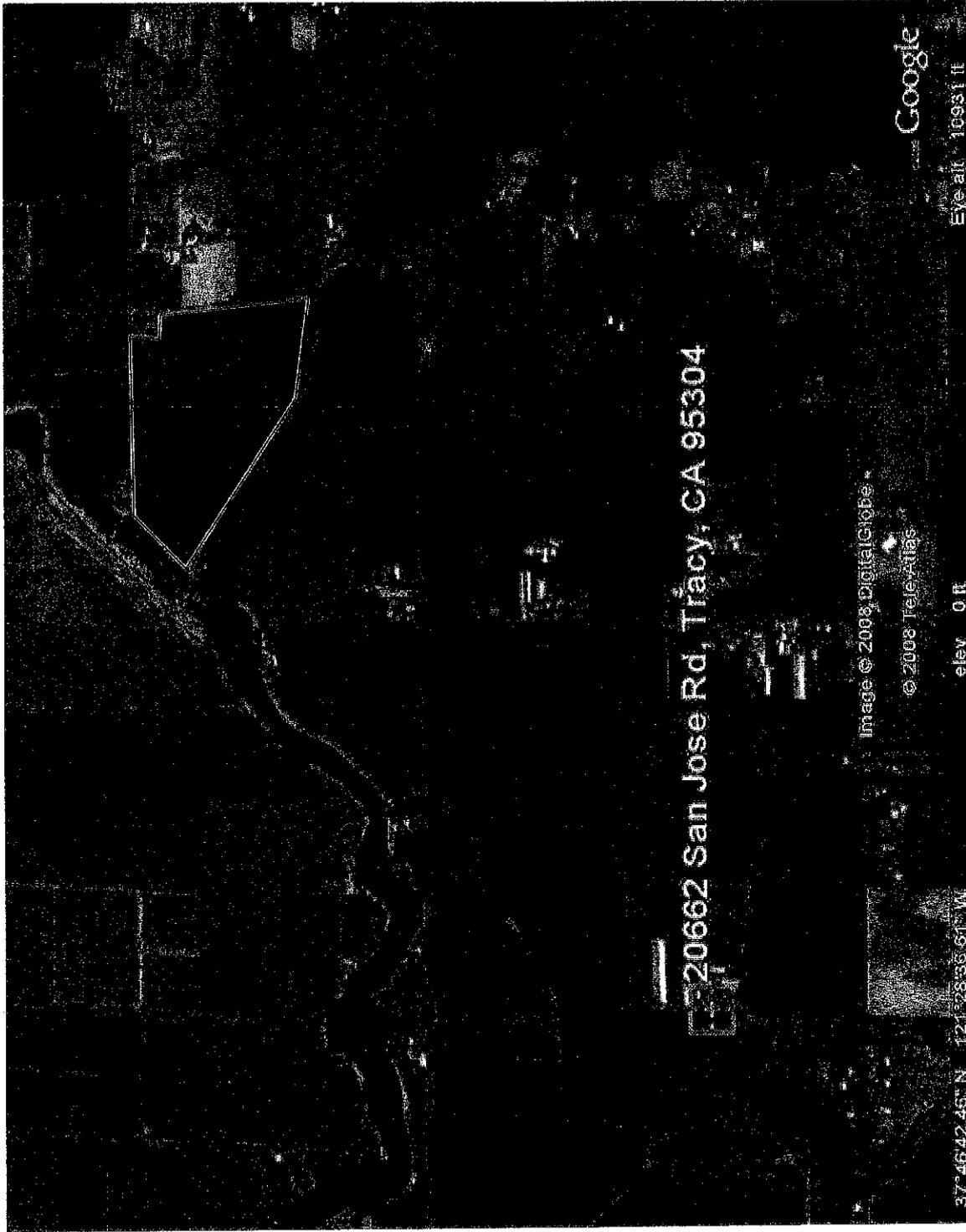
37°46'20.41" N 121°29'18.75" W

Google

© 2008 Tele Atlas

image © 2008 DigitalGlobe

Henry Tosta Dairy
Vicinity



Facility and Land Application Areas

Land within 5 miles of the facility which is under the control of the discharger not revealing waste from this facility