CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

APPROVED
author SW
Senior 11/2/12

DATE: 2 November 2012

LOCATION & COUNTY: Reeve Road Heifer Ranch
21070 Reeve Road, Tracy
San Joaquin County

CONTACTS: Jim Avila

INSPECTION DATE: 10 October 2012

INSPECTED BY: Sean Walsh / Daniel Davis (CVRWQCB)

OBSERVATIONS AND COMMENTS:

On 1 May 2012 Regional Water Quality Control Board staff conducted a routine compliance inspection at the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy. The inspection revealed several serious violations of the General Order including a significant amount of manure and bones being stored on native soil immediately south of the wastewater storage lagoon. Additionally it was discovered that Mr. Tosta was burying his dead cows from the Henry Tosta Dairy on cropland owned by the Echeverria Brothers. On 11 June 2012 a Cleanup And Abatement Order (11 June 2012 CAO) was issued to the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy. The 11 June 2012 CAO issued to the Reeve Road Heifer Ranch requires the facility be ready for closure by 29 June 2012. On 10 October 2012 Regional Water Board staff inspected the Reeve Road Heifer Ranch to determine if the facility is ready to be removed from coverage under the General Order, staff's findings are summarized below.

The solid manure removed from the lagoon is still located on property. The solid manure observed by staff south of the lagoon is still located on property. No solid manure, slurry manure, or wastewater has been removed from the property / facility.

Photo 1: The solid manure removed from the lagoon has not been removed from the property/facility.

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

APPROVED
author SW
senior RDB

DATE: 20 December 2012

LOCATION & COUNTY: 21070 Reeve Road Heifer Ranch
Reeve Road, Tracy
San Joaquin County

CONTACTS: Henry Tosta

INSPECTION DATE: 7 December 2012

INSPECTED BY: Sean Walsh, Charlene Herbst, Gilberto Corral

OBSERVATIONS AND COMMENTS:

Regional Water Quality Control Board staff conducted a compliance inspection at the Reeve Road Heifer Ranch on 1 May 2012. The inspection revealed several serious violations of the General Order including a significant amount of manure and bones being stored on native soil immediately south of the wastewater storage lagoon. Additionally, it was discovered that the Henry Tosta Dairy was burying dead cows on cropland owned by the Echeverria Brothers. A Cleanup And Abatement Order was issued on 11 June 2012 to the Reeve Road Heifer Ranch

The 11 June 2012 CAO issued to the Reeve Road Heifer Ranch required the facility be ready for closure by 29 June 2012. Regional Water Board staff inspected the Reeve Road Heifer Ranch on 7 October 2012 to determine if the facility was ready to be removed from coverage under the General Order; staff's findings are summarized below.

The solid manure removed from the lagoon is still located at the property. The solid manure south of the lagoon has not been removed. Staff walked the entire length of the manure pile located south of the lagoon; several bones were observed mixed in with the manure. No solid manure, slurry manure, or wastewater has been removed from the property / facility. The facility is not ready for closure.

One map is included in this report for reference. Map #1 is an air photo of the Reeve Road Heifer Ranch that was taken on 3 December 2012.

Photo 1: Looking west at the Reeve Road Heifer Ranch Wastewater Lagoon. See Map #1 for photo details.

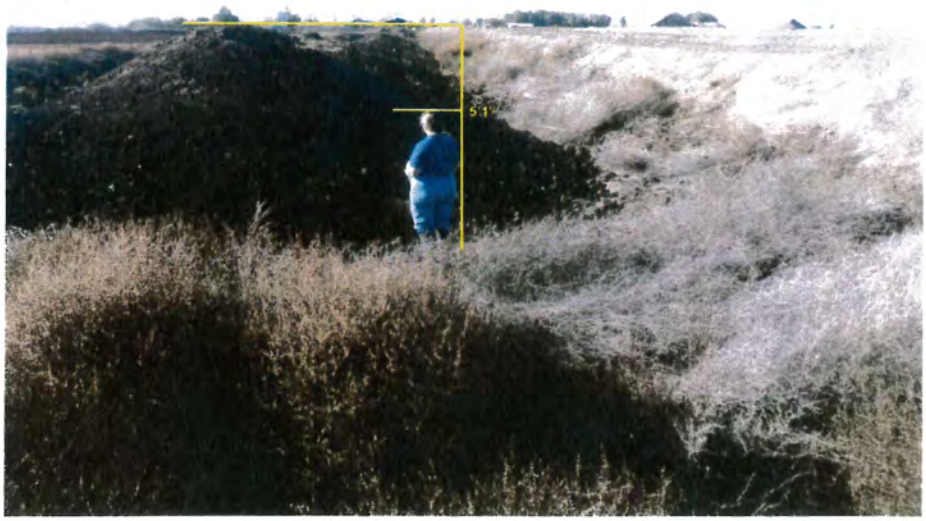


Photo 2: Looking west at the solid manure that was removed from the storage lagoon. Note the person standing in the photo is 5'1" tall. Bones were found mixed into the solid manure. See Map #1 for photo details.

Photo 3: Looking west at the solid manure that was removed from the storage lagoon. Note the person standing in the photo is 5'1" tall. Bones were found mixed into the solid manure. See Map #1 for photo details.

Photo 4: Looking west at the solid manure that was removed from the storage lagoon. Bones were found mixed into the solid manure. See Map #1 for photo detai

Photo 5: Bones picked out of the solid manure during the inspection.

Map #1: The yellow box indicates the area south of the Reeve Road Heifer Ranch wastewater lagoon where the solid manure that contains bones is being stored. The numbers refer to the photos contained in this report; the arrows indicate the direction the photo was taken.

DATE:	14 January 2013
LOCATION & COUNTY:	Reeve Road Heifer Ranch 21070 Reeve Road, Tracy San Joaquin County
CONTACTS:	Echeverria Brothers Dairy General Partnership (owners)
INSPECTION DATE:	7 January 2013
INSPECTED BY:	Sean Walsh, Daniel Davis, Charlene Herbst, Rob Busby, Clay Rodgers, Ellen Howard, Vanessa Young, Lee Smith, Tom Terpstra, Kevin Abernathy, Jim Avila

OBSERVATIONS AND COMMENTS:

On 1 May 2012 Regional Water Quality Control Board staff conducted a routine compliance inspection at the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy. The inspection revealed several serious violations of the General Order including a significant amount of manure and bones being stored on native soil immediately south of the wastewater storage lagoon. Additionally it was discovered that Mr. Tosta was burying his dead cows from the Henry Tosta Dairy on cropland owned by the Echeverria Brothers. On 11 June 2012 a Cleanup And Abatement Order (11 June 2012 CAO) was issued to the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy.

Regional Water Quality Control Board staff re-visited the site on 7 January 2013.

The manure that was cleaned from the lagoon and stacked south of the lagoon has not been removed from the property. Staff walked along the top of the removed manure and picked out several small bones (Photo 1).

Photo 1: Looking east at the manure that was removed from the wastewater storage lagoon.

Photo 2: Looking west at the manure that was removed from the wastewater storage lagoon.

The wastewater lagoon contained storm water and possible ground water (Photo 3).

Photo 3: Looking east at the Wastewater Storage Lagoon.

The site where the cows were being buried was viewed; the open pits have been filled in and the smell of decomposing flesh is absent.

General Order required paperwork was not reviewed while on site.

CENTRAL VALI ' REGIONAL WATER QUALITY C 'TROL BOARD

DATE: 8 March 2013

LOCATION & COUNTY: Reeve Road Heifer Ranch
21070 Reeve Road, Tracy
San Joaquin County

CONTACTS: Echeverria Brothers Dairy General Partnership (owners)
Henry Tosta

INSPECTION DATE: 5 March 2013

INSPECTED BY: Sean Walsh, Charlene Herbst, (RWQCB)
Tim Hall, Dr. Omid Hakeem (CDPH)
Kevin Abernathy

APPROVED
author
senior CWH 3/10/13

OBSERVATIONS AND COMMENTS:

On 1 May 2012 Regional Water Quality Control Board staff conducted a routine compliance inspection at the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy. The inspection revealed several serious violations of the General Order including a significant amount of manure and bones being stored on native soil immediately south of the wastewater storage lagoon. Additionally it was discovered that Mr. Tosta was burying his dead cows from the Henry Tosta Dairy on cropland owned by the Echeverria Brothers. On 11 June 2012 a Cleanup And Abatement Order (11 June 2012 CAO) was issued to the Reeve Road Heifer Ranch located at 21070 Reeve Road in Tracy.

Regional Water Quality Control Board staff re-visited the site on 5 March 2013.

The manure that was cleaned from the lagoon and stacked south of the lagoon has not been removed from the property.

Photo 1: Corral that contains a significant amount of solid manure.

Photo 2: Fresh cow hide observed immediately northwest of the west end of the wastewater storage lagoon.

Photo 3: Fresh water comes through this ditch before being used for irrigation.

Photo 4: Looking southeast at the pile of solid manure.

Photo 5: Looking east at the wastewater storage lagoon. The water in the lagoon is likely groundwater.

Photo 6: Bones observed in the pile of manure.

Photo 7: Looking northeast at the east end of the manure pile.

Photo 8: Looking west at the manure pile.

Photo 9: Looking west at the manure pile.

Photo 10: Looking north towards the burial site. Bones were observed here.

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

DATE:	19 September 2013
LOCATION & COUNTY:	Reeve Road Heifer Ranch 21070 Reeve Road, Tracy San Joaquin County
INSPECTION DATE:	17 September 2013
INSPECTED BY:	Sean Walsh / Girma Getachew (CVRWQCB)

OBSERVATIONS AND COMMENTS:

On 17 September 2013, while conducting a routine patrol in Tracy, Regional Water Quality Control Board staff (staff) inspected the Reeve Road Heifer Ranch to determine if site conditions have changed.

The manure and bones that were placed south of the wastewater storage lagoon are still in the same condition.

The wastewater storage lagoon contained clear water on the west end; the east end of the lagoon contains solid manure.

The corrals contained a significant amount of mounded solid manure.

Photo 1: Manure and bones located south of the wastewater storage lagoon is still in the same condition.

Photo 2: Wastewater storage lagoon – clear water was observed on the west-end of the lagoon.

Photo 3: Wastewater storage lagoon – solid manure was observed on the east-end of the lagoon.

Photo 4: Corral located immediately north of Middle Road – the mound consists of solid manure.

Photo 5: Corral located immediately north of Middle Road – the mound consists of solid manure.

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

APPROVED
author SW
senior CMH 11/14/13

DATE: 11 November 2013

LOCATION & COUNTY: Reeve Road Heifer Ranch
21070 Reeve Road, Tracy
San Joaquin County

INSPECTION DATE: 23 October 2013

INSPECTED BY: Sean Walsh / Gilberto Corral (CVRWQCB)

OBSERVATIONS AND COMMENTS:

On 23 October 2013 Regional Water Quality Control Board staff inspected the Reeve Road Heifer Ranch located in Tracy. The purpose of the inspection was to determine the volume of stockpiled manure located immediately south of the on-site wastewater storage lagoon.

The volume calculations are as follows:

	North Width 1 (ft)	North Width 2 (ft)	North Width 1 (ft)	North Width 2 (ft)
1	15	18	6	8
2	13	15	5	7
3	11.5	15	5	6.5
4	11	18	6	8.5
5	22	11	7	5
6	24	7	8.5	5

- Average width = 30.08'
- Average height = 6.45'
- Length = 793'
- Volume (1/2 (width x height) * length) = 77035.27 ft^3
- Tons @ (1200lbs/yd^3) = 1711.89 tons
- Landfill cost ($32/ton) = $ 54,780.64
- Trucking cost ($397/20 Ton Loads) = $ 33,981.11
- Total cost (trucking + landfill) = $ 88,761.75

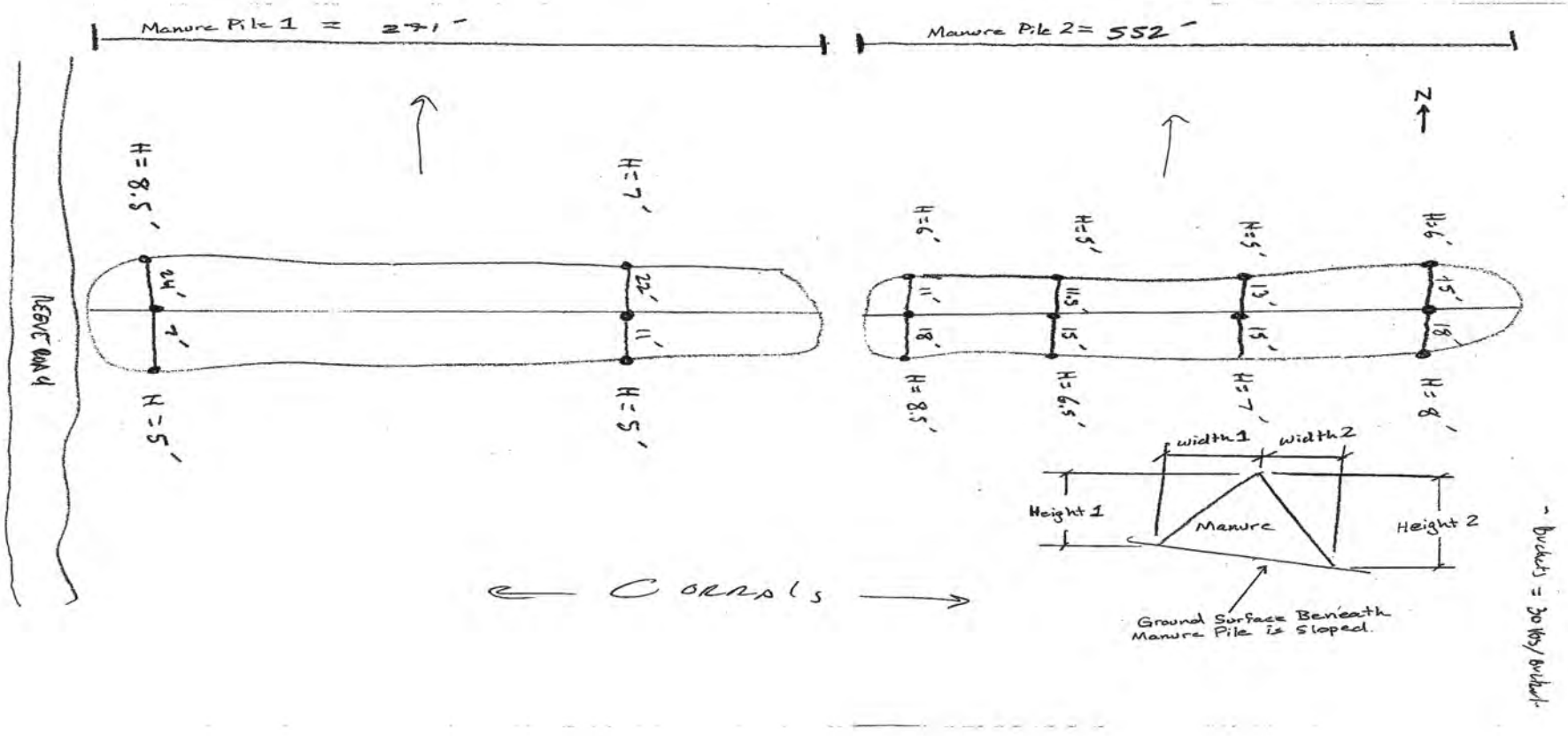
*** calculation and sketch of manure pile is attached.

Photo 1: Looking east at the manure pile to be removed.

23 October 2013 - Reeve Road Heifer Facility Manure Volume & Removal Estimates From Site Measurements

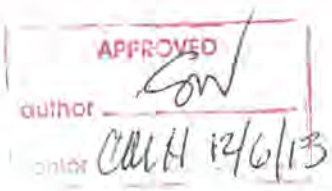
	North Width 1 (ft)	South Width 2 (ft)	North Height 1 (ft)	South Height 2 (ft)
1	15	18	6	8
2	13	15	5	7
3	11.5	15	5	6.5
4	11	18	6	8.5
5	22	11	7	5
6	24	7	8.5	5

Average Width =	30.08	
Average Height =	6.46	
Length =	793	
Volume (1/2 (width x height) * length) =	77035.27	ft^3
Tons @ (1200lbs/yd3)=	1711.89	Tons
Landfill Cost at $32/ton =	$ 54,780.64	
Trucking Cost ($397/ 20 Ton Loads)=	$ 33,981.11	
Total Cost (Trucking & Landfill) =	$ 88,761.75	



CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT



DATE: 5 December 2013

LOCATION & COUNTY: Reeve Road Heifer Ranch
21070 Reeve Road, Tracy
San Joaquin County

INSPECTION DATE: 15 November 2013

INSPECTED BY: Sean Walsh / Daniel Davis (CVRWQCB)

OBSERVATIONS AND COMMENTS:

Regional Water Quality Control Board staff inspected the Reeve Road Heifer Ranch on 15 November 2013.

Bruce Mellor (manure hauler) and John Minne (project engineer) were on-site discussing strategies regarding removing the solid manure stockpiled adjacent to the wastewater storage lagoon. One small loader was also parked on-site.

At the time of the inspection no manure had been removed from the site.