2024

CENTRAL DAVIS SEWER DISTRICT BIOSOLIDS REPORT

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PERMIT: UT-0020974
Biosolids Annual Report
2024

Facility Owner:	Central Davis Sewer District
Owner Status:	Political Subdivision of the State of Utah
Contact Person:	Jill S. Jones
Telephone Number:	(801) 451-2190
Mailing Address:	2200 South Sunset Drive Kaysville, Utah 84037
Treatment Plant Address:	Same
Land Application Site:	Latitude - 40 degrees 59 minutes 55 seconds Longitude - 111 degrees 56 minutes 49 secs. The Northwest quarter corner of Section 15 of Township 3 North, Range 1 West of the Salt Lake Base and Meridian.

Land Application Site: The land application site used by the District surrounds the wastewater treatment plant and is owned by the District.

Indian Land Status: All sites associated with the general reuse of biosolids are not located on Indian Lands.

Landfill Site: Republic Services - Wasatch Regional Landfill located at 8883 North, Rowley Rd, North Skull Valley, UT 84029.

Permits: UPDES Permit No: UT-0020974

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Central Davis Sewer District
Annual Biosolids Report
2024

Central Davis Sewer District is providing the included information in fulfillment of the annual report requirement contained in permit UT-0020974. The report is divided according to the EPA requirements found in 40 CFR Part 503.

Chemical Pollutant Analysis

During 2024, Central Davis Sewer District tracked the chemical quality of biosolids produced by its wastewater treatment plant according to the method of treatment. Since each treatment method is tracked separately, the results are reported individually below.

Anaerobic Digested Biosolids

Metals analysis stipulated in 40 CFR Part 503 was performed quarterly by Central Davis Sewer District on anaerobic digested biosolids. Quarterly results, lab reports and quality control charts have been calculated and are included in a separate section. The summaries of the results are presented below:

(All values presented are in mg/KG on a dry weight basis)

Metal	Annual Average	Limit
Aluminum	60,725	None
Arsenic	33	41
Cadmium	1	39
Chromium	20	None
Copper	847	1,500
Lead	7	300
Mercury	0.3	17
Molybdenum	15	75
Nickel	11	420
Phosphorous	46,025	None
Selenium	7	100
Silver	2	None
Zinc	870	2,800

As can be seen, all results are within the acceptance limits.

Compost Biosolids

Compost is sampled when the pile is ready for distribution and marketing. In 2024, six samples were taken and analyzed. The yearly average is shown below. A summary report, lab reports and quality charts are included in a separate section.

(All values presented are in mg/KG on a dry weight basis)

Metal	Averages	Limits
Aluminum	6,167	None
Arsenic	7.6	41
Cadmium	0.5	39
Chromium	8.8	None
Copper	269	1,500
Lead	9.9	300
Mercury	0.2	17
Molybdenum	3.4	75
Nickel	5.4	420
Phosphorus	10,962	None
Selenium	1.2	100
Silver	0.5	None
Zinc	309	2,800

As can be seen, all results are within the acceptance limits.

Biosolids Pathogen Reduction

During 2024, Central Davis Sewer District met the permit and regulatory requirement for pathogen reduction in two separate ways. The two methods are discussed below. Since one method produces Class B pathogen reduction, a discussion of the site restrictions is presented at the end of this section.

Anaerobic Digestion

Anaerobic digestion stipulates both time and temperature requirements be met while the biosolids are in the digester. The permit requires that the temperature remain above 35^{o} C for at least 15 days. During 2024, the digester monthly average temperatures remained above 35^{o} C for the entire year. A history of the

digester temperatures is given in this report. Calculation sheets determining the duration biosolids remained in the digester are also included. The shortest duration for biosolids remaining in the primary digesters was 15.4 days.

Composting Class A – Aerated Static Pile (ASP)

ASP composting requirements stipulate that Class A compost produced under the windrow method remain above 55^{o} C. for 3 days or longer. At the end of the compost period, the compost must have less than either 1000 MPN/gram fecal coliforms or 3 MPN/4 grams for Salmonella. For composting, the District takes two or more weeks building a pile. At the end of the pile-building period the pile is generally large enough to maintain temperature and moisture. After one-week, active composting begins, and temperatures are recorded. All piles are capped with finished compost to maintain temperatures and to reduce odors. Each pile is then monitored for 15 days or longer and daily temperatures are recorded. Copies of the composting log sheets are included. During 2024, all ASP compost complied with the regulatory requirements.

Composting Class B

No Class B compost was produced in 2024.

Site Restrictions

The land on which biosolids are applied is owned by the District and is used to produce feed crops and turf grass. Harvesting of all feed crops occurs at least 30 days after the application of the last load of biosolids. Turf grass is not harvested until at least one year after application. In 2024 no turf grass was harvested although there are two fields with aged turf grass available. This land is farmed and separated from the public and is considered to have a low potential for public contact. The entire site is fenced with security fencing and warning signs are posted to inform the public that the area is a designated biosolids application site. The District has very few problems with unauthorized entry to the site.

Vector Attraction Reduction Requirement

Central Davis Sewer District evaluates VAR methods separately for the two biosolids production streams which operate at the plant. These two production streams are Trickling Filter - Anaerobic Digested Biosolids and Oxidation Ditch - Composted Biosolids.

Trickling Filter - Anaerobic Biosolids

The District meets the VAR requirements for biosolids produced through anaerobic digestion by complying with the 38% or greater volatile solids reduction. All quarters exceeded the 38% requirement, and the annual average volatile solids reduction was 56%.

Oxidation Ditch - Compost

The composting process VAR requirements are met by the biosolids being in an aerobic process for at least 14 days and during that time the compost maintains a temperature above 40^{o}C with the temperature being above 50^{o}C. This requirement was met for all piles and documentation of the temperatures can be found on the log sheets included in the pathogen reduction section. Final curing for the compost lasts anywhere from 45 days to 120 days depending on moisture reduction and when screening takes place.

Landfilling of Biosolids

At the beginning of 2015, the District lost one of its major wood waste suppliers. This loss of wood waste forced the District to rely on green waste to continue composting. Composting with green waste is viable during the spring, summer and fall but presented problems in the winter since green waste compost has a higher odor potential. The loss of wood waste has allowed the District to see if there are still odors when no active compost piles remain. The District did not receive any odor complaints about the biosolids when landfilling during 2024. There is a significant cost increase with landfilling, approximately $210,129 in tipping fees alone, but the lack of complaints is viewed as a major benefit. In addition, this is the first year where the District has signed a 3-year contract with the landfill and due to the contract, the District is obligated to take

a steady amount of biosolids to the landfill which will in return has produce significantly less compost this year.

Biosolids Production Rates

Central Davis Sewer District produced composted, anaerobic digested and landfilled biosolids. The District maintained separate records for production of each type. The 2024 quantities are presented separately below.

Anaerobic Digested Biosolids Production

During 2024, the District tracked the number of loads of anaerobic biosolids applied to agricultural land and composted. A total of 308 loads were applied at an average of about 16.3% solids. This represents 278 English tons or 253 metric tons of dry biosolids. While this represents about one-third of the wastewater flows it only represents about 25% of the biosolids production. This is most likely due to additional volatile solids destruction in the digesters.

Oxidation Ditch Biosolids Production

In 2024, the District also tracked the weight of aerobic biosolids incorporated into compost. 450 Mixer truckloads of 462,576 lbs. and Dump truckloads of 1,333,448 lbs. were hauled to the composting area at an average of 18.4% solids.
This represents a total of 898 English tons or 816 metric tons of dry biosolids, sent to composting.

Trickling Filter Biosolids Production

In 2024, the District also tracked the weight of anaerobic biosolids incorporated into compost. 450 Mixer truckloads of 151,800 lbs. were hauled to the composting area at an average of 16.5% solids. This represents a total of 76 English tons or 69 metric tons of dry biosolids, sent to composting.

Final Compost Production

764 metric tons of 2023 compost was sold in 2024. A total of 892 metric tons of

compost were produced in 2024. All the 2024 compost remains to be screened and/or marketed.

Land Filled Production

The District hauled 3573 wet English tons of biosolids to the Wasatch Regional Landfill. This represents 657 English tons or 598 metric tons of dry biosolids that were landfilled.

Total Biosolids Production

Biosolids or biosolids derived material produced in 2024 were 1,743 Metric tons. Of this total, 598 metric tons were landfilled, and the remainder was or will be beneficially reused on the District's farm or sold as compost to the general public.

Application Zones

Records for land application to fields or zones are included in this report. The report only includes information on zones where land application took place in 2024. Zone 2 has about 57 percent of the allowed loads applied, and this zone will continue to be applied to in 2025.

Central Davis Sewer District

Permit #: UT-0020974

Certification Statement for Pathogens, VAR, Management Practices, Site Restrictions and Chemical Pollutant Limits

I certify under the penalty of law, that the heavy metal requirements, the pathogen requirements and the vector attraction reduction requirements found in Part III.B, the Management Practices in Part III.C and the Special Conditions in III.D have been met during 2020 for biosolids land applied or sold for soil amendment. This determination has been made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate information used to determine that the pathogen reduction requirements, the vector attraction reduction requirements, the management practices, and the site restrictions have been met. I am aware that there are significant penalties for false certification including fine and/or imprisonment.

Jill S. Jones

Jill S. Jones
District Manager

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Anaerobic Biosolids Chemical Quality

1. 2024 Testing Summary
2. Historical Testing Summary
3. Quality Control Charts
4. Laboratory Reports

CDSD Anaerobic Biosolids Chemical Quality - 2024

Date	Type	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphorus ppm	Selenium ppm	Silver ppm	Zinc ppm
2/5/2024	AN	62,100	34.5	0.62	16.6	780	4.4	0.173	15.8	11.3	56,800	1.1875	2	732
4/22/2024	AN	59,000	31.8	0.86	23.4	754	9.03	0.34	12.7	12.2	40,700	9.69	1.85	836
7/15/2024	AN	60,600	33.5	0.75	22.3	842	6.45	0.27	15.8	11.9	44,700	8.87	1.72	915
11/25/2024	AN	61,200	31.1	0.86	17.00	1010	6.72	0.451	17.6	7.24	41,900	6.95	1.7	995
Total Year Values														
Minimum		**59,000**	**31**	**1**	**17**	**754**	**4**	**0.2**	**13**	**7**	**40,700**	**1**	**2**	**732**
Average		**60,725**	**33**	**1**	**20**	**847**	**7**	**0.3**	**15**	**11**	**46,025**	**7**	**2**	**870**
Maximum		**62,100**	**35**	**1**	**23**	**1,010**	**9**	**0.5**	**18**	**12**	**56,800**	**10**	**2**	**995**

Date	TKN ppm	Ammonia as N ppm	Nitrate+Nitrite-Total ppm	Total Solids ppm
2/23/2024	7,430	614	0.25	17.1
4/22/2024	7,640	860	1.90	16.5
7/15/2024	8,360	620	0.25	16.9
11/25/2024	6,240	664	1.0	15.7
Minimum	**6,240**	**614**	**0.25**	**16**
Average	**7,418**	**690**	**0.9**	**17**
Maximum	**8,360**	**860**	**1.9**	**17**

***Notes**: All ND values are taken as 0.25*MDL and shown as blue

Central Davis Sewer District

Anaerobic Biosolids - Historic Table

Date	Type	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphorus ppm	Selenium ppm	Silver ppm	Zinc ppm **ppm**
11/7/1988	AN		1.8	1.8	38.2	372.7	35.2	3.1		23.5				557
12/8/1988	AN		**	2.5	16.4	237.7	24.6	1.7		13.1				341
12/22/1988	AN		3.9	2.3	22.7	175.1	18.2	0.9		15.9				271
1/9/1989	AN		3.1	2.2	19.3	235.1	22.8	0.9		15.8				581
2/10/1989	AN		**	2.0	21.9	260.1	32.2	4.9		11.1				430
3/5/1989	AN		**	2.6	19.4	248.0	31.3	10.3		10.8				374
4/14/1989	AN		**	2.0	17.9	260.9	37.3	3.1		10.2				412
4/24/1989	AN		**	2.2	21.9	320.2	35.4	4.6		11.8				490
5/29/1989	AN		**	2.4	20.8	346.8	**	4.0		13.5				574
7/8/1989	AN		8.8	2.1	25.9	325.8	62.3	2.4		18.5				486
8/7/1989	AN		4.0	2.0	27.6	394.4	60.0	3.4		18.1				525
8/25/1989	AN		2.6	2.4	23.5	361.9	47.9	3.6		9.9				528
3/5/1990	AN		**	1.8	22.1	306.0	34.9	1.9		8.5				401
4/2/1990	AN		**	1.8	31.9	359.4	38.0	3.1		9.9				469
5/31/1990	AN		3.7	2.4	19.7	337.3	41.3	2.7		11.8				485
8/30/1990	AN		4.9	3.0	21.0	388.0	35.0	3.2		17.0				594
3/13/1991	AN			1.7	34.4	277.4	34.4	**		**				456
8/8/1991	AN		18.3	3.1	20.0	399.5	38.6	3.5		18.6				654
9/9/1991	AN		7.6	2.0	23.3	400.0	30.2	**		13.8				600
1/23/1992	AN		4.0	2.3	15.0	333.6	31.3	**		13.4				541
2/24/1992	AN		2.1	2.0	16.2	368.6	**	**		22.6				468
3/1/1992	AN		2.3	1.1	7.7	318.0	**	**		13.0				
3/27/1992	A		1.7	2.1	9.9	215.0	19.2	**		12.8				255
4/16/1992	AN		3.1	1.0	11.0	394.0	**	**		**				608
5/22/1992	A		**	1.2	9.4	151.0	18.7	**		7.7				208
6/15/1992	AN		8.7	2.3	12.1	**	19.6	**		10.9				514
10/27/1992	A		**	**	29.1	305.0	36.2	**	1.1	19.7		**		475
12/28/1992	AN		1.2	2.3	19.5	488.0	46.3	2.3	7.9	13.5		23.5		515
12/28/1992	A		12.3	1.2	8.6	206.0	16.1	4.9	4.6	8.1		17.7		213
1/29/1993	A		14.2	1.7	13.9	239.0		**	3.1	15.4		12.5		216
3/22/1993	A		2.4	**	**	278.0		1.8	3.5	**		2.1		364
4/23/1993	AN		2.5	7.5	28.0	385.0		3.3	3.5	22.7		16.2		1,110
5/28/1993	A		2.4	1.5	7.5	315.0	101.0	2.1	7.7	12.5		7.5		
5/31/1993	AN		2.4	2.0	9.0	410.0	108.0	0.5	11.9	16.0		7.5		765
6/2/1993	A		2.4	1.7	7.5	300.0	76.0	1.6	7.7	13.5		7.5		
6/2/1993	AN		**	2.5	13.5	422.0	125.0	6.4	12.6	16.5		7.5		
6/21/1993	AN		2.4	2.5	14.0	623.0	39.0	4.4	12.7	15.5		7.5		583
6/21/1993	A		2.4	1.4	6.5	263.0	20.5	3.3	4.3	11.0		7.5		258
7/29/1993	A		2.4	2.2	12.5	334.0	24.5	0.2	7.1	14.0		7.5		325
7/29/1993	AN		2.4	2.5	15.6	369.0	34.5	0.5	9.6	15.0		7.5		603
8/26/1993	A		2.4	1.8	16.5	347.0	21.5	2.1	7.3	15.5		7.5		244
8/26/1993	AN		2.4	2.8	23.8	410.0	35.0	4.3	9.4	16.5		7.5		588
9/23/1993	A		5.5	2.8	14.6	364.0	24.0	4.2	6.0	16.0		5.4		370
9/23/1993	AN		3.6	3.4	20.0	439.0	34.4	7.4	6.8	17.1		5.4		664
10/25/1993	AN		15.0	4.4	23.1	383.0	35.1	2.9	12.0	14.0		20.3		479
10/25/1993	A		2.4	1.8	14.0	307.0	23.2	1.7	9.0	12.0		7.5		328
11/29/1993	AN		2.4	2.5	14.0	353.0	30.0	0.3	6.5	14.0		7.8		414
11/29/1993	A		2.4	1.7	9.8	286.0	15.0	0.1	11.0	14.0		7.8		256
12/20/1993	AN		2.4	3.0	24.5	388.5	49.0	0.3	10.5	14.6		13.2		563
12/20/1993	A		2.4	1.9	14.3	299.0	10.0	0.1	2.5	12.1		2.5		272
1/17/1994	AN		8.2	2.6	27.0	420.0	35.0	0.1	12.1	17.2		2.5		542
1/17/1994	A		6.4	2.0	15.8	314.0	18.5	0.1	9.2	13.4		5.5		288
2/14/1994	AN		12.9	6.0	22.7	392.0	27.4	2.9	6.4	14.1		3.4		538
2/14/1994	A		8.6	2.9	13.1	270.0	15.8	0.1	4.0	11.3		0.7		247
3/25/1994	AN		15.3	7.4	21.1	390.0	32.0	5.6	4.0	11.4		11.9		531
3/25/1994	A		1.5	2.5	9.9	295.0	22.6	1.8	4.0	6.8		2.5		287
4/19/1994	AN		5.0	5.8	21.4	406.0	33.3	2.0	3.5	12.5		3.5		536
4/19/1994	A		4.4	3.4	13.7	318.0	15.2	7.9	3.5	11.2		3.5		285
5/17/1994	AN		7.0	8.3	34.9	634.0	83.9	5.5	7.0	23.5		7.0		882
5/17/1994	A		0.7	1.8	14.6	364.0	28.1	2.5	7.0	12.1		7.0		298
6/28/1994	AN		5.5	2.2	22.0	465.0	33.0	4.4	6.5	16.7		10.0		463
6/28/1994	A		5.5	0.5	12.0	376.0	25.0	1.0	7.4	12.6		18.0		242
7/19/1994	AN		3.4	1.7	17.5	463.0	30.5	4.4	7.7	15.9		7.1		608
7/19/1994	A		6.4	1.4	11.8	405.0	17.3	2.3	5.6	16.9		2.8		374
8/16/1994	AN		4.6	2.3	24.3	458.0	29.3	9.4	6.9	18.9		2.8		613
8/16/1994	A		4.2	3.0	14.2	381.0	17.5	3.9	5.6	17.0		3.0		330
9/23/1994	AN		6.6	2.5	15.6	445.0	29.3	3.0	8.2	12.7		1.0		65
9/23/1994	A		6.7	1.4	8.3	296.0	14.5	1.2	5.5	11.2		1.0		274
10/18/1994	A		5.8	1.1	12.8	322.0	18.8	1.4	6.2	14.4		4.1		327
10/18/1994	AN		7.5	2.3	21.3	493.0	35.4	2.8	9.2	16.1		1.0		428
11/22/1994	A		3.1	1.4	11.5	308.0	16.5	1.2	6.5	12.7		0.3		269
11/22/1994	AN		8.7	2.6	24.9	523.7	35.9	2.9	10.1	17.9		0.5		635
12/20/1994	A		2.8	1.0	24.3	281.0	17.8	2.0	5.6	19.4		4.9		235
12/20/1994	AN		6.1	1.5	18.5	361.0	28.4	2.0	7.1	23.9		2.0		420
1/17/1995	A		4.6	1.4	14.8	286.0	17.2	0.8	6.1	15.7		4.9		252
1/17/1995	AN		6.3	2.8	27.6	465.0	38.3	2.5	10.1	20.2		3.3		571
2/14/1995	A		6.5	1.5	11.6	226.0	16.4	1.3	5.8	12.5		2.4		235

Central Davis Sewer District

Anaerobic Biosolids - Historic Table

		Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Molyb	Nickel	Phosphorus	Selenium	Silver	Zinc ppm
Date	Type	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	**ppm**
2/14/1995	AN		11.9	3.7	25.6	394.0	43.0	2.4	8.7	19.8		5.0		574
3/21/1995	A		12.0	3.0	15.1	300.0	33.0	1.3	5.5	15.4		1.5		281
3/21/1995	AN		12.0	4.7	28.0	406.0	52.0	2.3	8.2	19.7		2.5		544
4/18/1995	A		6.8	1.2	13.4	270.0	13.4	1.6	5.0	13.1		0.3		277
4/18/1995	AN		5.3	2.5	24.7	397.0	28.4	3.7	7.6	20.1		0.3		514
5/16/1995	A		9.1	1.1	15.5	192.0	17.7	0.8	6.6	13.6		2.7		277
6/19/1995	AN		2.0	1.0	17.0	330.0	29.0	0.0	4.0	15.0		4.0		320
7/19/1995	A		4.5	1.1	12.3	184.0	6.0	0.7	4.9	11.6		0.4		223
8/29/1995	AN		2.0	2.0	14.5	219.4	18.5	1.2	6.7	16.1		2.0		314
9/17/1995	A		6.2	2.0	18.8	447.0	26.7	0.3	7.7	17.5		6.2		405
10/24/1995	AN		2.0	2.0	20.0	446.0	44.0	3.9	6.0	16.0		4.0		516
11/20/1995	A		6.5	1.5	16.3	357.0	38.6	1.8	3.5	19.5		13.0		314
12/17/1995	AN		10.0	2.5	17.0	416.0	40.0	3.4	10.0	20.0		20.0		550
1/16/1996	A		14.0	2.0	10.0	294.0	3.5	0.3	7.0	14.0		14.0		287
2/12/1996	AN		19.8	1.5	11.5	208.0	67.8	9.7	3.1	8.7		3.2		291
3/19/1996	A		20.0	1.0	20.0	273.0	18.0	2.0	5.0	17.0		6.5		285
4/16/1996	AN		13.0	1.8	19.0	396.0	27.0	3.3	5.0	15.0		13.0		512
5/21/1996	A		4.0	1.3	12.5	290.0	18.0	1.3	6.0	13.0		5.5		225
6/21/1996	AN		3.0	2.3	18.4	429.0	31.0	3.7	6.0	17.0		4.0		532
7/23/1996	A		5.0	1.1	12.0	350.0	25.0	1.0	6.0	12.0		10.0		298
8/20/1996	AN		3.0	1.8	14.0	386.0	23.0	3.0	6.0	11.0		4.0		400
9/24/1996	A		2.0	1.4	11.5	428.0	16.0	1.7	7.0	13.0		15.0		306
10/22/1996	AN		6.0	1.8	16.5	402.0	21.0	2.0	7.0	13.0		3.5		384
11/26/1996	A		5.0	1.0	10.2	273.0	10.0	1.3	4.0	10.1		2.5		190
12/19/1996	AN		2.4	1.5	15.9	411.0	32.0	6.0	2.1	14.4		3.5		422
1/21/1997	A		2.8	0.8	8.6	295.0	12.0	0.3	4.0	12.0		3.8		168
2/10/1997	AN		2.5	1.4	13.4	398.0	25.0	1.6	6.0	10.3		3.5		402
3/17/1997	A		3.5	1.1	12.2	374.0	16.0	0.5	5.0	12.0		4.6		255
4/21/1997	AN		4.0	2.2	19.0	626.0	30.0	2.7	10.0	15.0		3.0		592
5/19/1997	A		3.0	0.9	11.0	395.0	14.0	1.3	7.0	11.0		4.0		278
6/27/1997	AN		3.0	1.4	15.1	405.0	27.0	3.5	5.0	16.0		4.0		451
7/22/1997	A		4.0	1.0	11.2	383.0	15.0	2.9	5.9	12.7		2.0		288
8/26/1997	AN		3.0	1.8	16.7	587.0	29.0	3.1	7.0	14.0		4.0		563
9/23/1997	A		2.9	1.1	12.2	473.0	22.0	4.2	6.0	11.0		3.9		306
10/21/1997	AN		3.0	1.1	12.4	333.0	14.0	0.9	6.0	9.0		4.0		312
11/28/1997	A		3.0	0.5	9.0	446.0	15.0	2.0	5.0	10.0		3.8		240
12/19/1997	AN		6.0	2.2	24.0	750.0	36.0	4.0	11.0	17.4		3.5		632
1/28/1998	AN		5.0	0.5	10.6	290.0	14.0	1.9	4.0	9.3		5.7		186
2/10/1998	A	8,860.0	5.2	1.4	20.0	477.0	27.0	5.3	8.0	13.0		7.0	7.7	454
3/31/1998	AN	16,600.0	11.0	1.1	17.8	429.0	20.0	2.5	5.0	12.0		11.0	10.2	422
4/21/1998	A	9,930.0	8.0	0.4	11.7	334.0	15.0	2.7	4.6	11.0		8.0	6.4	219
5/20/1998	AN	20,100.0	10.0	0.8	23.4	465.0	26.0	3.6	5.0	14.0		10.0	9.7	452
6/30/1998	A	13,000.0	9.0	1.0	16.5	376.0	12.0	3.2	6.0	13.0		9.0	6.6	290
7/31/1998	AN	22,000.0	10.0	2.0	20.0	630.0	25.0	3.0	12.0	15.0		10.0	15.0	701
8/14/1998	A	12,900.0	10.0	1.2	14.6	534.0	21.0	1.4	8.0	11.0		10.0	10.6	355
9/22/1998	AN	19,200.0	10.0	1.7	16.2	578.0	16.0	5.2	10.0	13.0		10.0	12.2	605
10/26/1998	A	11,800.0	11.0	0.5	13.5	471.0	11.0	**	7.0	11.0		11.0	8.6	280
11/20/1998	AN	17,300.0	10.0	1.0	16.7	470.0	17.0	**	8.0	12.0		10.0	9.1	510
12/8/1998	A	10,400.0	14.0	0.7	12.8	384.0	7.0	8.2	6.0	11.0		14.0	7.8	234
1/18/1999	AN	19,000.0	11.0	14.5	23.0	460.0	22.0	1.0	7.0	14.0		11.0	8.9	510
2/12/1999	A	9,800.0	5.0	0.6	12.0	350.0	11.0	0.1	6.0	11.0		5.0	7.0	210
3/2/1999	AN	9,500.0	10.0	0.7	11.0	240.0	16.0	5.0	4.0	7.0		10.0	4.0	250
5/25/1999	AN	21,000.0	10.0	1.4	21.0	560.0	27.0	5.9	6.0	13.0		10.0	9.0	560
7/10/1999	AN	18,000.0	10.0	1.0	20.0	540.0	18.0	3.8	6.0	14.0		10.0	9.0	520
9/11/1999	AN	16,000.0	10.0	1.4	15.2	500.0	16.0	5.6	6.0	10.0		10.0	8.5	490
12/13/1999	AN	22,000.0	9.0	1.6	18.0	760.0	21.0	8.6	9.0	15.0		9.0	16.0	620
2/14/2000	AN	27,000.0	5.0	2.0	21.7	790.0	27.0	4.0	9.0	14.0		5.0	19.0	700
4/10/2000	AN	22,000.0	5.0	1.7	21.6	700.0	23.0	3.5	7.0	12.0		5.0	16.0	580
6/27/2000	AN	19,000.0	5.0	1.4	19.0	590.0	18.0	3.1	11.0	11.0		5.0	21.0	570
8/21/2000	AN	26,000.0	4.5	2.0	22.0	860.0	27.0	3.1	15.0	15.0		4.5	17.0	800
10/16/2000	AN	22,000.0	15.0	2.0	16.0	710.0	21.0	5.0	11.0	11.0		5.0	19.0	620
1/22/2001	AN	22,000.0	5.0	1.4	17.0	700.0	23.0	3.1	10.0	11.0		5.0	5.0	630
1/22/2001	A	11,000.0	5.0	0.3	9.3	440.0	3.5	1.4	5.0	9.0		5.0	5.0	420
3/7/2001	AN	24,000.0	10.0	1.5	18.0	680.0	24.0	3.5	9.0	12.0		10.0	11.0	620
5/1/2001	AN	24,000.0	5.0	1.7	20.0	690.0	24.0	3.8	7.0	13.0		5.0	12.0	650
7/3/2001	AN	19,000.0	0.5	1.1	18.0	560.0	16.0	4.2	11.0	11.0		0.5	13.0	600
12/18/2001	AN	24,000.0	12.0	0.9	17.0	720.0	15.0	3.9	11.0	14.0			5.5	630
3/12/2002	AN	33,000.0	8.0	1.7	26.0	890.0	26.0	3.2	12.0	17.0	29,000	15.0	16.0	880
5/14/2002	AN	22,000.0	5.0	1.7	20.0	600.0	28.0	5.2	8.0	12.0	23,000	5.0	12.0	640
7/1/2002	AN	22,000.0	5.0	1.3	20.0	620.0	16.0	4.0	8.0	12.0	22,000	13.0	9.8	600
9/13/2002	AN	29,000.0	9.0	1.9	20.0	870.0	21.0	4.4	12.0	14.0	26,000	9.0	13.0	600
11/25/2002	A	9,100.0	4.0	0.6	7.0	340.0	7.0	0.3	5.0	6.0	13,000	5.0	4.2	230
12/31/2002	AN	17,000.0	8.5	0.4	10.0	580.0	6.0	8.0	8.0	10.0	25,000	8.5	6.7	420
2/22/2003	A	12,000	5	0.6	8	430	3.5	2	5	8	21,000	5	6.1	310
2/22/2003	AN	21,000	10	1.5	18	800	18	4	12	12	25,000	10	12	680
4/14/2003	AN	28,000	5	1.8	18	760	28	4.3	13	12	25,000	5	16	630
7/17/2003	AN	28,000	5	2	18	840	27	4.2	13	16	27,000	5	31	660
10/6/2003	AN	29,000	12	1.9	16	860	28	3.8	16	15	24,000	5	29	730

Central Davis Sewer District

Anaerobic Biosolids - Historic Table

		Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Molyb	Nickel	Phosphorus	Selenium	Silver	Zinc ppm
Date	Type	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	**ppm**
1/28/2004	A	14,000	5	0.25	11	520	11	1.3	7	12	22,000	5	19	850
1/28/2004	AN	31,000	2	1.3	18	780	26	3.6	13	13	26,000	2	38	720
4/13/2004	AN	26,000	5	1.4	19	710	24	3.2	9	15	24,000	5	31	620
7/23/2004	AN	28,000	5	1.6	21	920	22	3.2	12	18	26,000	5	32	780
10/7/2004	AN	19,000	5	0.8	16	530	17	2.9	8	16	14,000	5	17	490
1/11/2005	AN	21,000	5	1	15	770	13	3	4	13	20,000	5	33	690
4/12/2005	AN	18,000	5.5	0.7	16	580	19	4.1	1.1	13	15,000	5.5	20	490
7/15/2005	AN	16,100	5	1.9	17.9	606	14	2.7	1	16	15,900	5	18	577
10/5/2005	AN	16,000	18	1.5	15	840	14	2.7	7	14	19,000	5	16	700
1/10/2006	AN	19,000	5	1.4	18	1000	13	2.7	11	15	23,000	5	29	800
4/3/2006	AN	16,100	5	1.5	14.7	843	19.9	1.22	8.89	10.3	20,000	5	22	626
7/14/2006	AN	15,000	14	1	18	900	21	2	10	14	20,000	5	24	660
10/6/2006	AN	13,000	13	0.8	15	800	17	2.2	10	11	15,000	5	16	600
1/5/2007	AN	15,500	15	1	17.2	970	15	3.7	11	11.4	1,660	5	25.6	706
4/4/2007	AN	15,000	13	1	19	980	20	1.3	12	13	26,000	6	19	800
7/6/2007	AN	14,000	16	1	17	1080	17	2	13	13	22,000	5	21	800
10/1/2007	AN	11,300	17	1.2	15.1	1090	19	2.5	15	6.7	18,600	7	13.7	873
1/8/2008	AN	11,500	14	1	14.6	913	15.2	0.12	11	11	18,400	2.5	20.3	715
4/4/2008	AN	13,500	15.7	1	17	940	75	2.3	12	13	24,800	6.6	16	800
7/8/2008	AN	12,700	15	1.2	16.8	978	25	2.5	11.7	13.2	23,200	0.25	14.7	543
10/21/2008	AN	12,000	18	1.1	15.6	1200	27	0.18	13	12.5	24,000	2.5	15.5	880
1/5/2009	AN	11,400	25	1.2	29	1280	20	1.6	13	11.2	23,500	2.5	16.4	826
4/6/2009	AN	11,500	16	1.1	18.6	1150	18.3	1.7	11.4	15.5	25,900	8.2	14.6	859
7/6/2009	AN	12,100	18	1.1	18.3	1260	21.4	2	11.6	14.3	23,500	9.4	14.4	901
10/12/2009	AN	11,100	20	1.2	16	1400	16.7	2	13	12.6	24,000	5.6	12.4	987
1/12/2010	AN	10,300	18.6	1.03	13.5	1200	13.7	1.75	12.3	10.9	24,000	6.21	13.3	884
4/8/2010	AN	11,200	15.9	1.07	19.1	998	15.7	3.03	12.3	12.9	11,200	12.2	12.2	913
7/16/2010	AN	11,700	35.5	2.29	22.1	1120	34.8	0.45	15.7	15.6	25,600	21.5	21.5	983
10/4/2010	AN	10,200	20.1	1.06	14.3	1240	15.5	1.5	12.8	11.6	20,800	8.02	12	922
1/14/2011	AN	10,700	19.5	1.02	14.7	1270	13.2	1.31	13.2	10.4	22,100	5.16	11.7	852
4/4/2011	AN	9,560	17.4	0.86	15.2	850	16.2	2.2	10.7	12	19,800	6.89	9.63	733
7/14/2011	AN	3,410	13.6	0.49	6.78	425	10.6	3.1	5.0	5.6	8,460	11.8	4.51	345
10/6/2011	AN	7,430	21.7	1.05	14.3	1250	16.7	2.04	10.9	12.6	17,900	8.45	8.69	812
1/9/2012	AN	4,210	14.6	0.674	6.75	771	9.4	1.15	8.47	9.24	15,100	8.17	5.61	570
4/9/2012	AN	4,710	14.7	0.811	10.6	807	11	1.77	9.03	9.36	16,400	8.35	6.55	632
7/6/2012	AN	5,000	16.7	0.88	13.3	948	13.3	1.64	10.2	9.83	17,100	6.59	7.46	744
10/1/2012	AN	4,870	21.7	0.501	11.7	1210	16.6	2.16	12.5	10	18,800	8.76	4.08	794
1/7/2013	AN	9,320	20.3	0.857	10.3	1050	12.1	1.72	11.8	9.06	21,000	8.58	5.95	691
4/8/2013	AN	7,460	23.6	0.884	15.6	1090	13.4	0.77	13.2	12.8	24,500	10.8	6.76	827
7/8/2013	AN	3,790	14.6	0.632	10.7	721	11.9	1.98	8.39	8.12	12,800	7.28	5.03	560
10/4/2013	AN	5,030	21	1.14	15.7	1340	16.8	1.91	14.6	13.7	18,500	9.99	7.35	995
1/6/2014	AN	4,200	14.7	0.816	10.5	828	10.4	0.79	10.1	9.31	12,000	7.1	4.8	541
4/4/2014	AN	4,910	13.2	1.12	14	1110	13.4	1.81	13.2	13.3	19,200	8.87	7.14	105
7/7/2014	AN	5,100	16.7	0.788	14.3	1170	15.4	1.99	12.8	12.7	19,600	10.7	6.14	939
10/8/2014	AN	4,070	15.1	0.585	11.6	908	9.21	0.9	3.11	9.48	13,300	3.54	4.67	716
1/7/2015	AN	5,270	18	0.779	14.3	1220	13.2	1.88	15.9	12.3	18,400	3.9	5.2	906
4/3/2015	AN	4,880	13.4	1.05	13.5	1090	13.7	0.34	14	12	20,500	6.33	3.83	792
7/13/2015	AN	5,240	15.5	0.785	16.2	1020	14.2	1.45	11.7	12.1	16,100	2.46	2.25	868
10/9/2015	AN	4,380	13.4	0.7	11.4	974	11.3	1.5	9.62	9.52	13,000	5.01	1.46	630
1/8/2016	AN	6,810	18.4	1.1	18	1370	15.6	0.77	15.6	14.7	25,000	8.7	2.5	983
4/4/2016	AN	5,260	13.2	0.71	16.1	1040	12.3	1.43	11.4	12.2	21,600	7.9	2.1	761
8/2/2016	AN	4,640	16.2	0.84	16.5	1330	16.1	0.66	15.6	13.6	19,700	14.3	2.57	1000
10/6/2016	AN	5,190	23.5	1.01	17.6	1400	17.1	0.74	16.5	14.6	22,100	7.5	4.25	1060
1/6/2017	AN	2,260	8.17	1.01	7.35	487	10.1	0.69	5.41	5.16	14,800	1.18	1.92	374
4/3/2017	AN	5,620	19.9	0.95	21.6	1140	13.3	2.33	17.2	14.5	23,500	3.16	3.73	1080
7/10/2017	AN	44,600		1.34	19.1	1050	18.6	0.18	16.3	12.5	36,300	34.2	2.52	940
10/4/2017	AN	49,000	34.2	0.993	16.1	1160	17.3	2.17	14.6	10.9	37,000	29.1	2.36	933
1/2/2018	AN	15,900	25.4	1.04	18.4	1240	15	1.28	19.1	12.9	24,700	4.99	2.08	1020
4/6/2018	AN	7,660	17.3	0.733	12.1	895	11.8	2.63	14.7	9.27	15,700	6.13	2.65	902
7/16/2018	AN	6,650	15.2	0.895	21.9	1130	17.5	1.08	17	18.9	22,000	51.9	2.89	1020
11/26/2018	AN	7,480	27.2	1.25	19.8	1430	11.1	3.76	24.8	15	27,000	6.52	1.41	55.4
1/11/2019	AN	5,800	26.6	1.23	18.3	1370	7.75	0.66	22.3	13.3	26,200	5.63	2.27	1390
4/8/2019	AN	4,240	15.8	0.796	14.9	861	5.07	1.78	13.6	10.5	13,600	3.12	2.91	559
7/15/2019	AN	22,300	23.9	0.768	19.2	1220	4.41	0.23	15.6	14	31,100	2.06	1.89	731
10/7/2019	AN	32,500	29.4	0.78	19.1	1490	3.14	0.39	20.1	12.8	35,700	2.58	3.17	760
1/6/2020	AN	29,700	26	1.11	17.8	1370	10.9	0.98	18.4	14.2	40,300	9.53	2.22	1070
4/60/20	AN	30,100	20.6	0.738	15.9	1010	9.37	0.56	13.6	9.22	37,900	5.32	1.3	848
7/13/2020	AN	36,400	24.9	0.673	16.9	1030	9.71	1.35	16	10.6	40,900	6.91	0.902	906
10/21/2020	AN	41,400	30.3	0.651	16.7	1280	11.5	1.46	16.7	9.89	42,100	4.94	2.39	927
1/15/2021	AN	32,600	20.2	0.662	12.5	1060	8.01	0.42	14.1	8.92	35,100	5.68	1.48	763
4/13/2021	AN	39,800	21.7	0.561	17.1	1140	9.53	0.09	15.8	10.7	31,100	10.80	1.62	859
7/15/2021	AN	34,100	21.4	0.776	17.5	946	10.3	0.083	14.8	9.86	35,200	4.51	1.4	890
10/25/2021	AN	49,600	29	0.561	15.6	1060	10.1	0.3	15.4	11.8	31,300	5.45	1.12	882
1/31/20022	AN	44,000	20.5	0.32	17.1	802	9.11	0.2	11.4	9.26	28,200	5.6	1.23	682
4/22/2022	AN	61,200	29	0.168	24.4	1020	8.19	0.24	12.6	9.07	32,600	9.33	0.929	809
7/15/2022	AN	71,800	32.9	0.899	24.5	963	7.89	0.38	14.4	14.7	36,300	8.84	1.95	926
10/4/2022	AN	66,000	27.1	0.834	16.4	992	8.81	0.229	14.9	11.5	42,000	6.31	1.73	907

Central Davis Sewer District

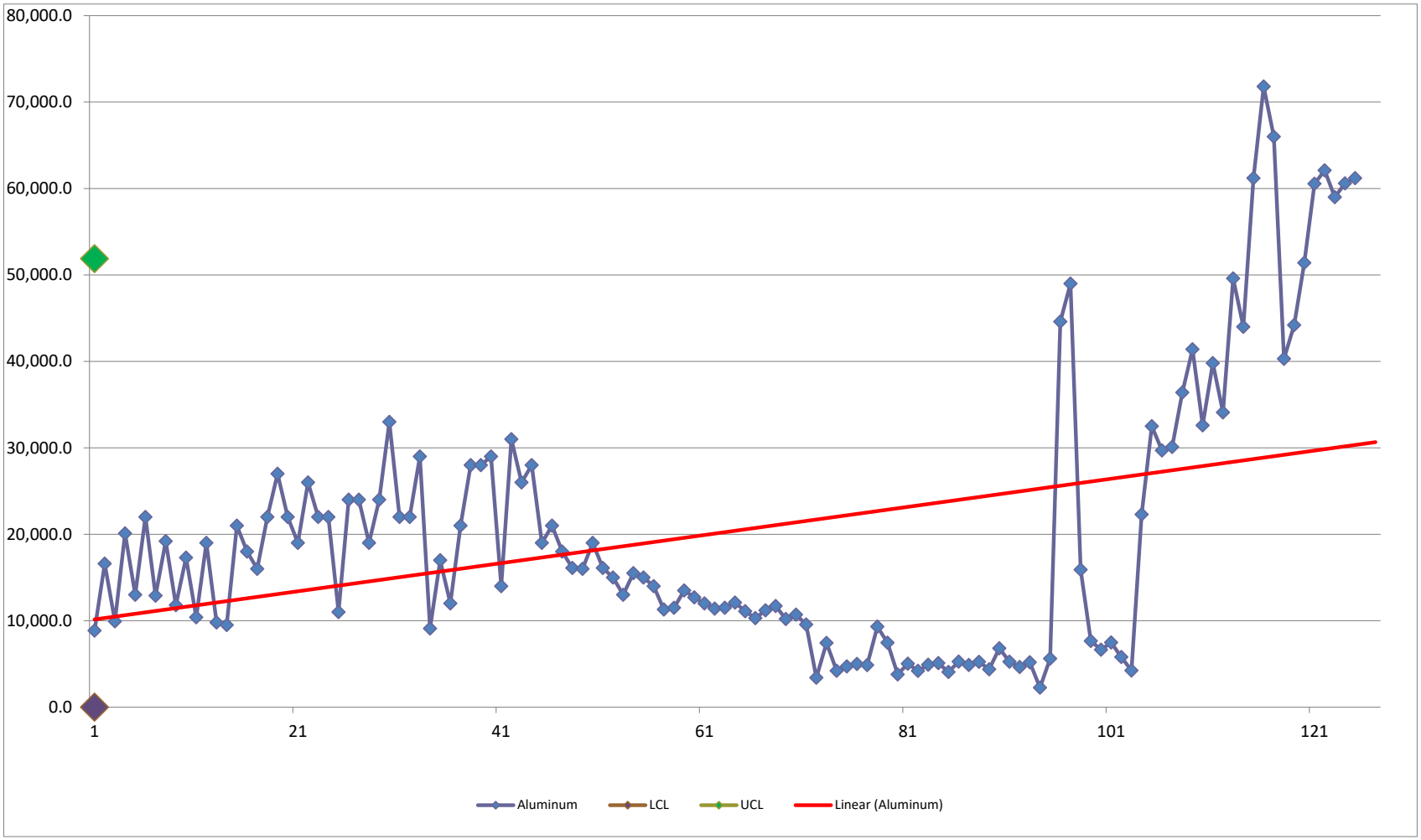
Anaerobic Biosolids - Historic Table

		Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Molyb	Nickel	Phosphorus	Selenium	Silver	Zinc ppm
Date	Type	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	**ppm**
2/17/2023	AN	40,300	25.6	0.66	20.5	813	11.2	0.329	15	9.02	34,800	5.54	2.32	844
4/7/2023	AN	44,200	25.2	0.954	26.8	837	8.13	0.42	12.5	15.3	37,100	11.8	0.871	928
7/28/2023	AN	51,400	18.2	0.889	28.9	819	6.95	0.30	10.3	14.4	36,900	2.78	2.28	969
10/16/2023	AN	60,550	40.0	0.8305	20.5	787	5.75	0.37	15.6	13.15	39,100	7.07	2.555	828
2/5/2024	AN	62,100	34.5	0.62	16.6	780	4.4	0.173	15.8	11.3	56,800	1.1875	2	732
4/22/2024	AN	59,000	31.8	0.86	23.4	754	9.03	0.34	12.7	12.2	40,700	9.69	1.85	836
7/15/2024	AN	60,600	33.5	0.75	22.3	842	6.45	0.27	15.8	11.9	44,700	8.87	1.72	915
11/25/2024	AN	61,200	31.1	0.86	17.00	1010	6.72	0.451	17.6	7.24	41,900	6.95	1.7	995
average		**20,241.5**	**10.9**	**1.6**	**17.0**	**627.9**	**22.9**	**2.4**	**9.4**	**13.2**	**24,610.6**	**7.0**	**9.9**	**568.3**
Std. Dev.		**15,818.8**	**8.5**	**1.4**	**5.4**	**338.6**	**16.3**	**1.9**	**4.3**	**3.2**	**9,235.1**	**5.6**	**8.3**	**247.0**
Avg-2StDv		**0.0**	**0.0**	**0.0**	**6.2**	**0.0**	**0.0**	**0.0**	**0.8**	**6.7**	**6,140.5**	**0.0**	**0.0**	**74.3**
Avg+2StDv		**51,879.1**	**27.9**	**4.4**	**27.8**	**1,305.2**	**55.4**	**6.2**	**17.9**	**19.7**	**43,080.8**	**18.3**	**26.4**	**1,062.4**
	Note: 1. When a value was found to be below the detection limit, the whole number of the detection limit was used in the analysis.													
	2. An ** indicates that the value has not been used because of suspect integrity													

Central Davis Sewer District

Anaerobic Biosolids

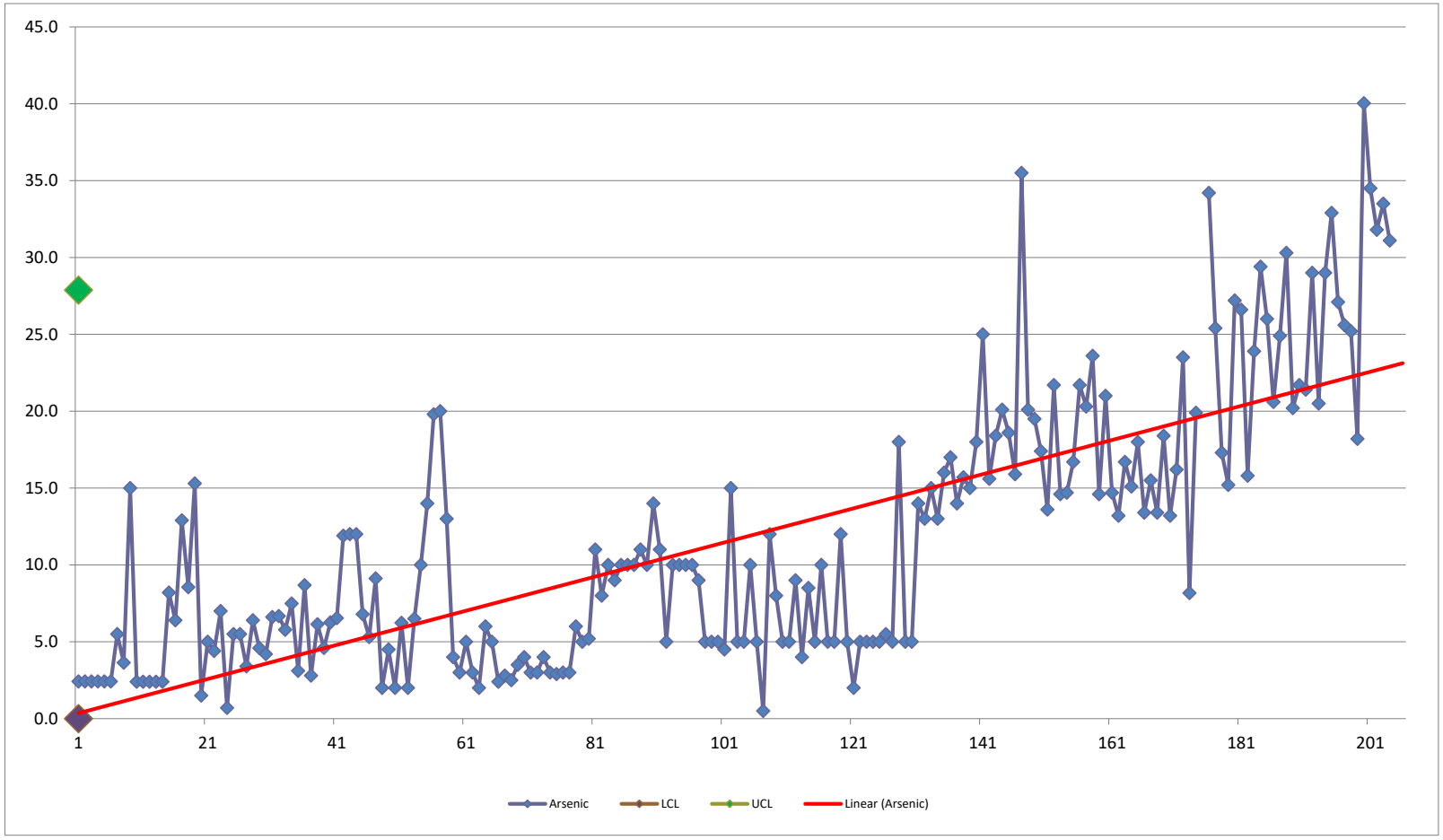
Aluminum Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

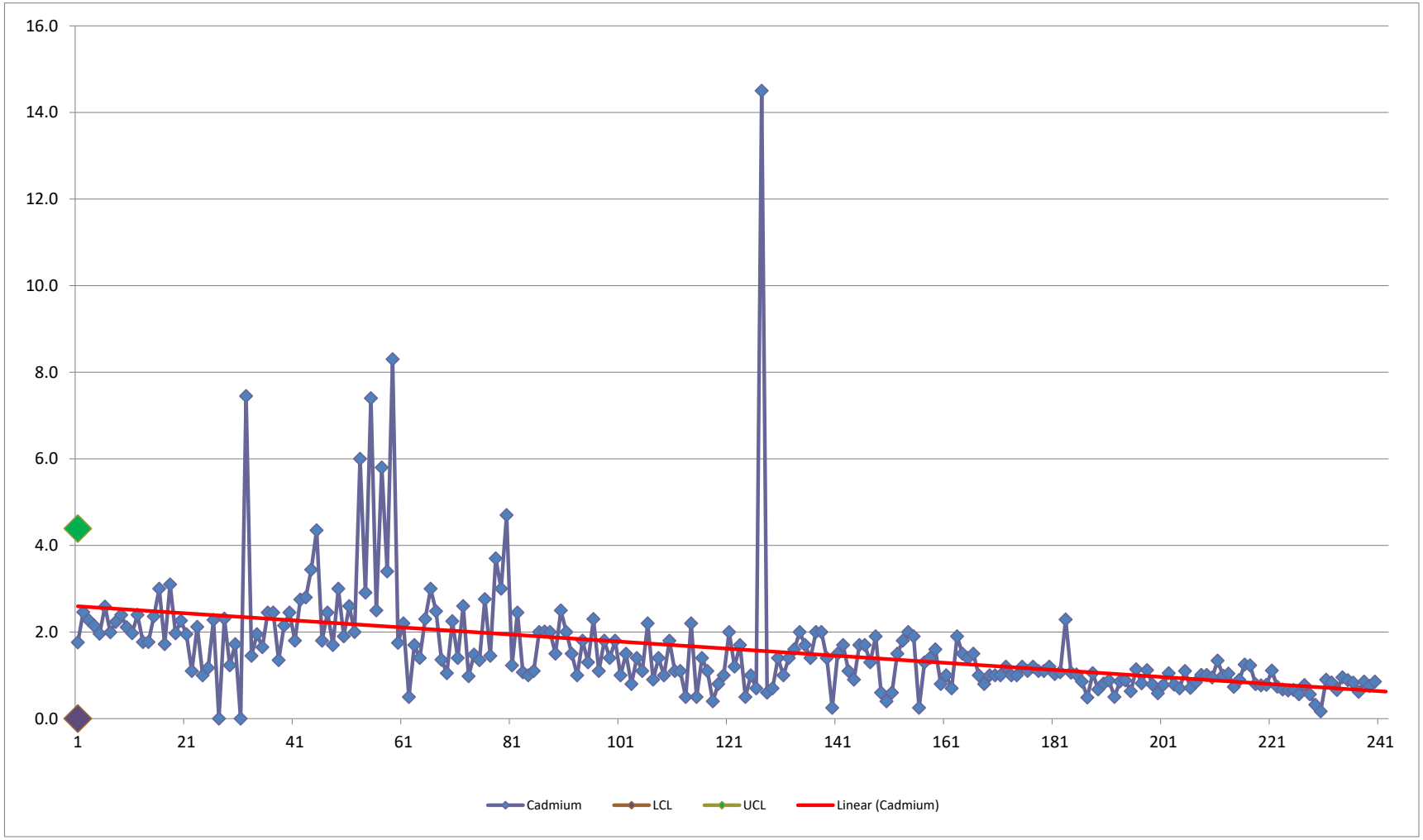
Arsenic Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

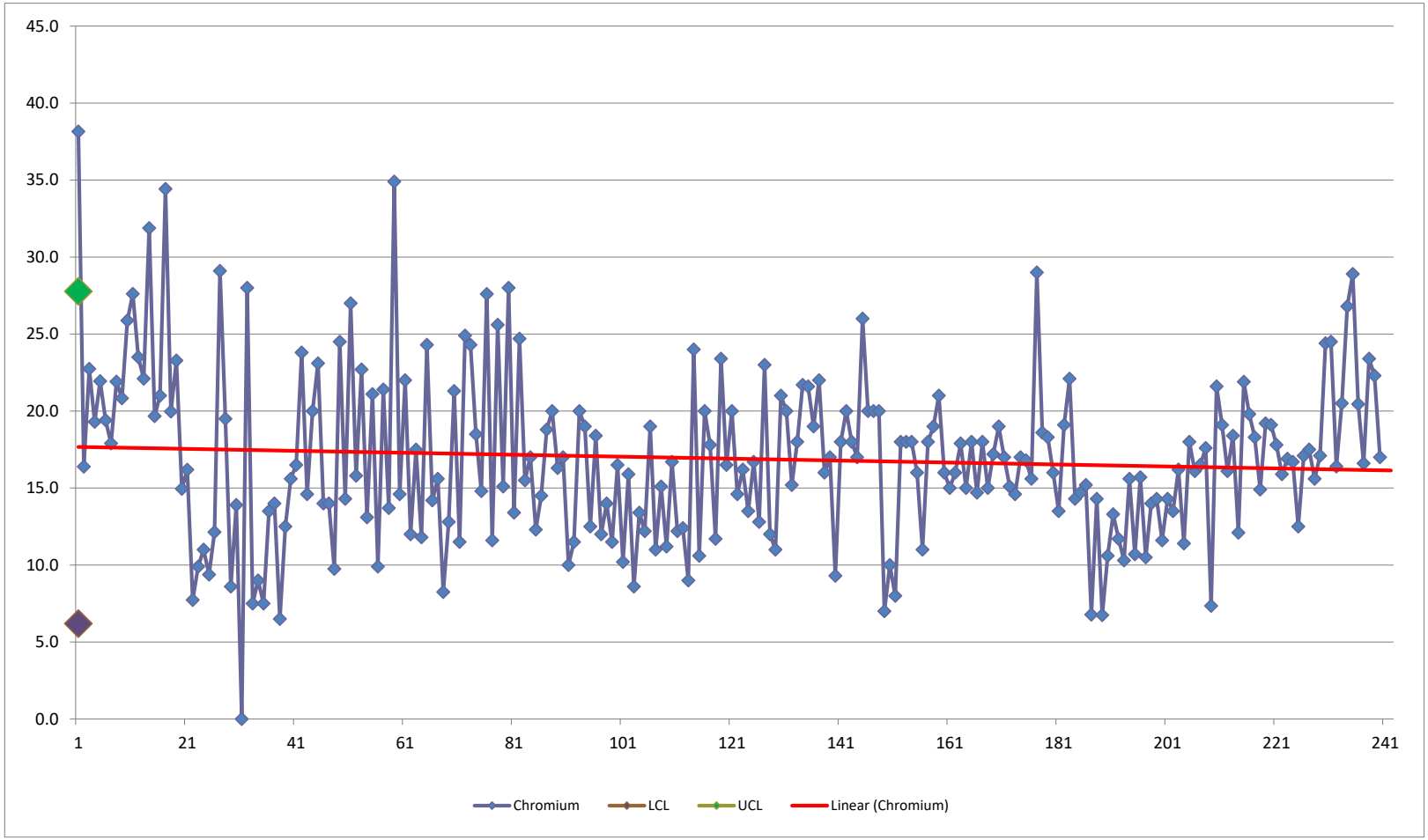
Cadmium Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

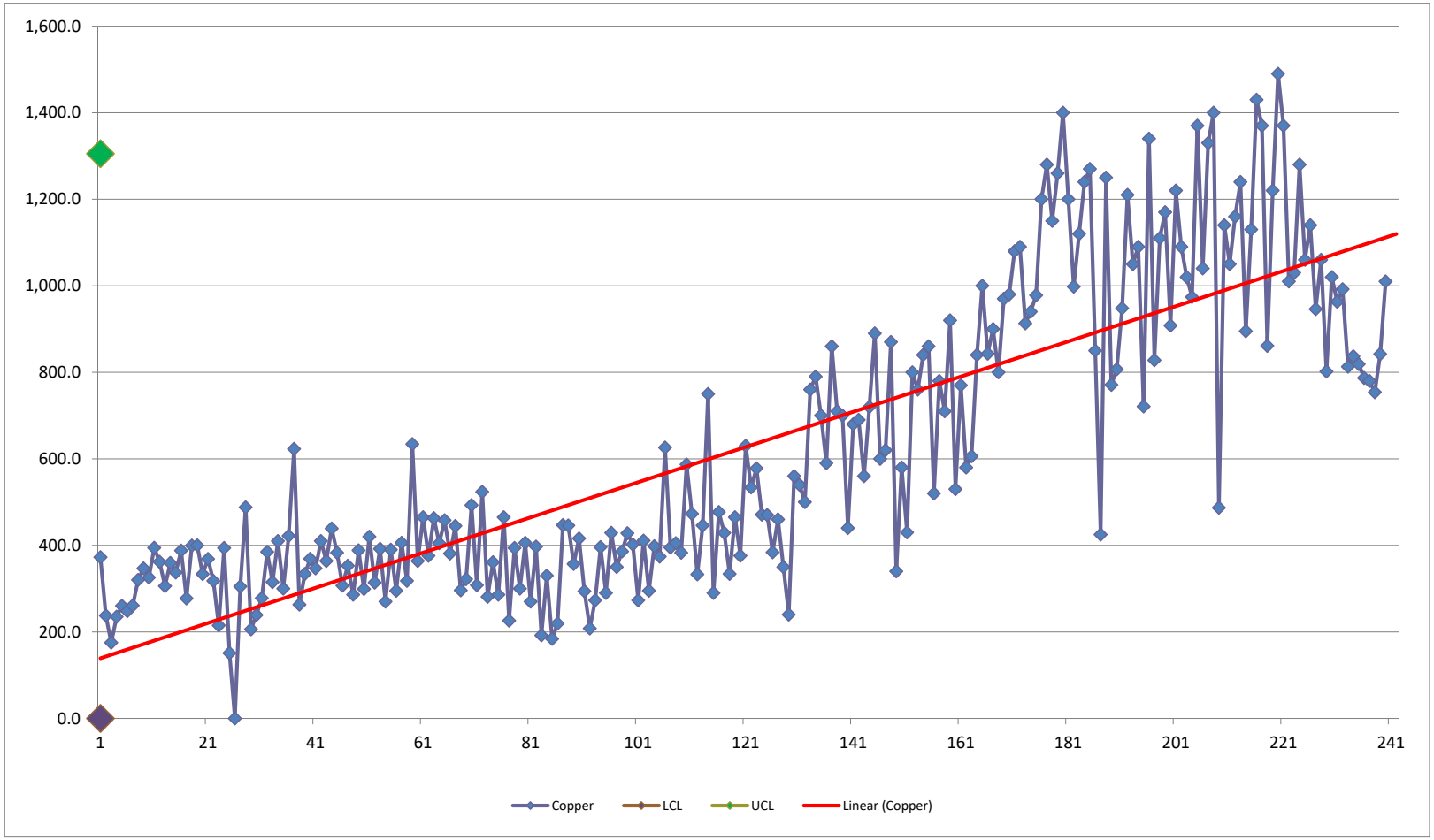
Chromium Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

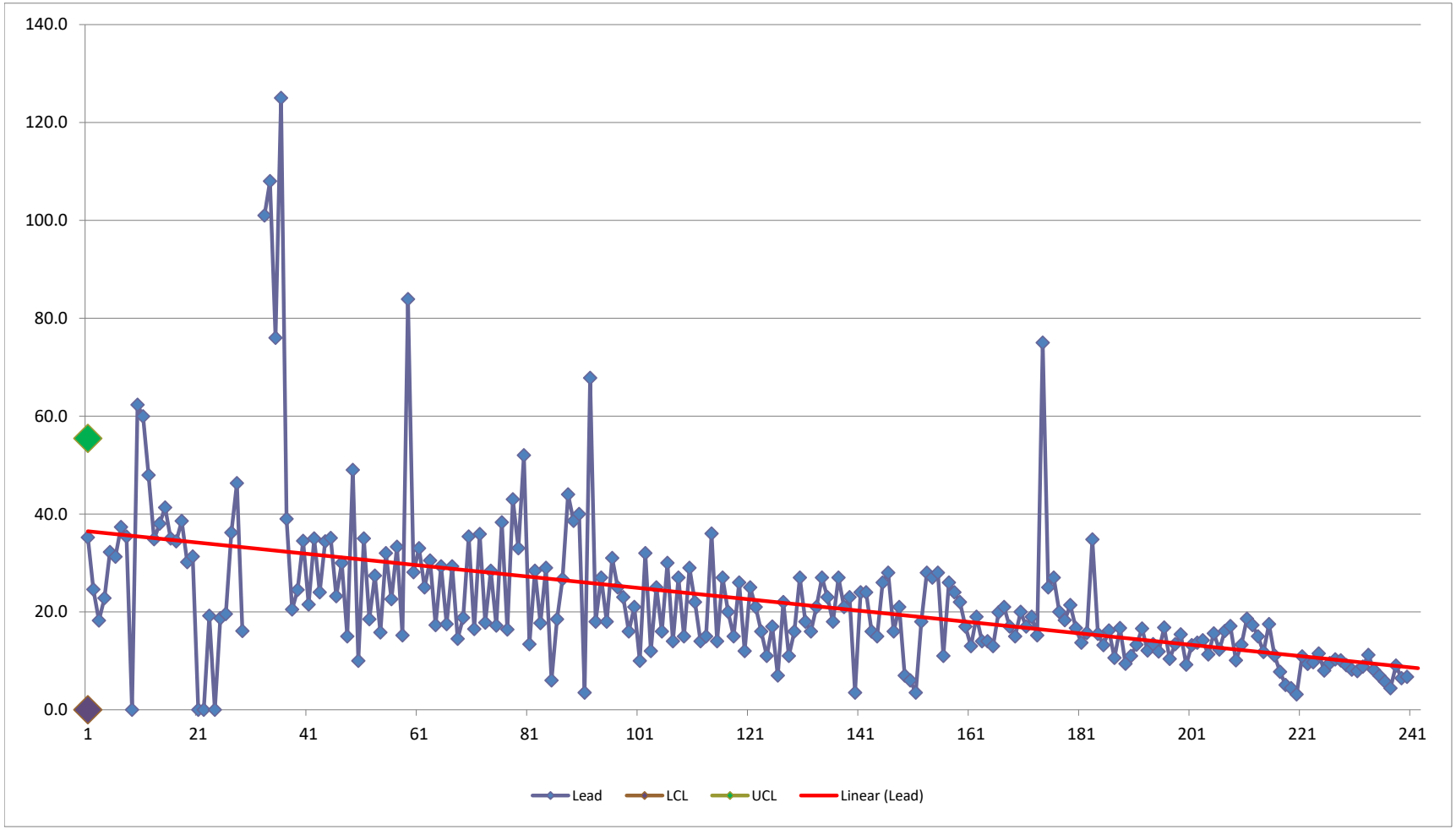
Copper Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

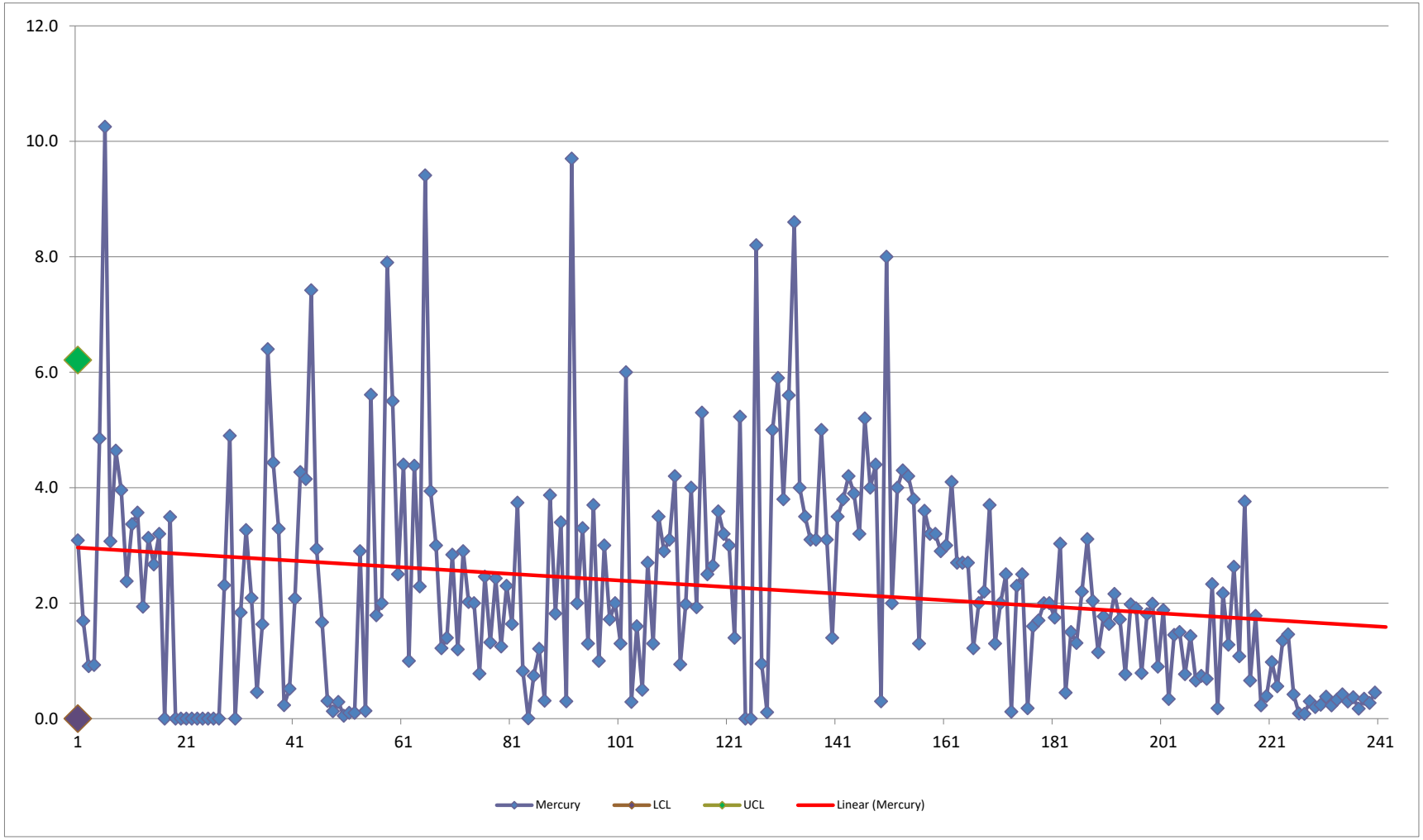
Lead Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

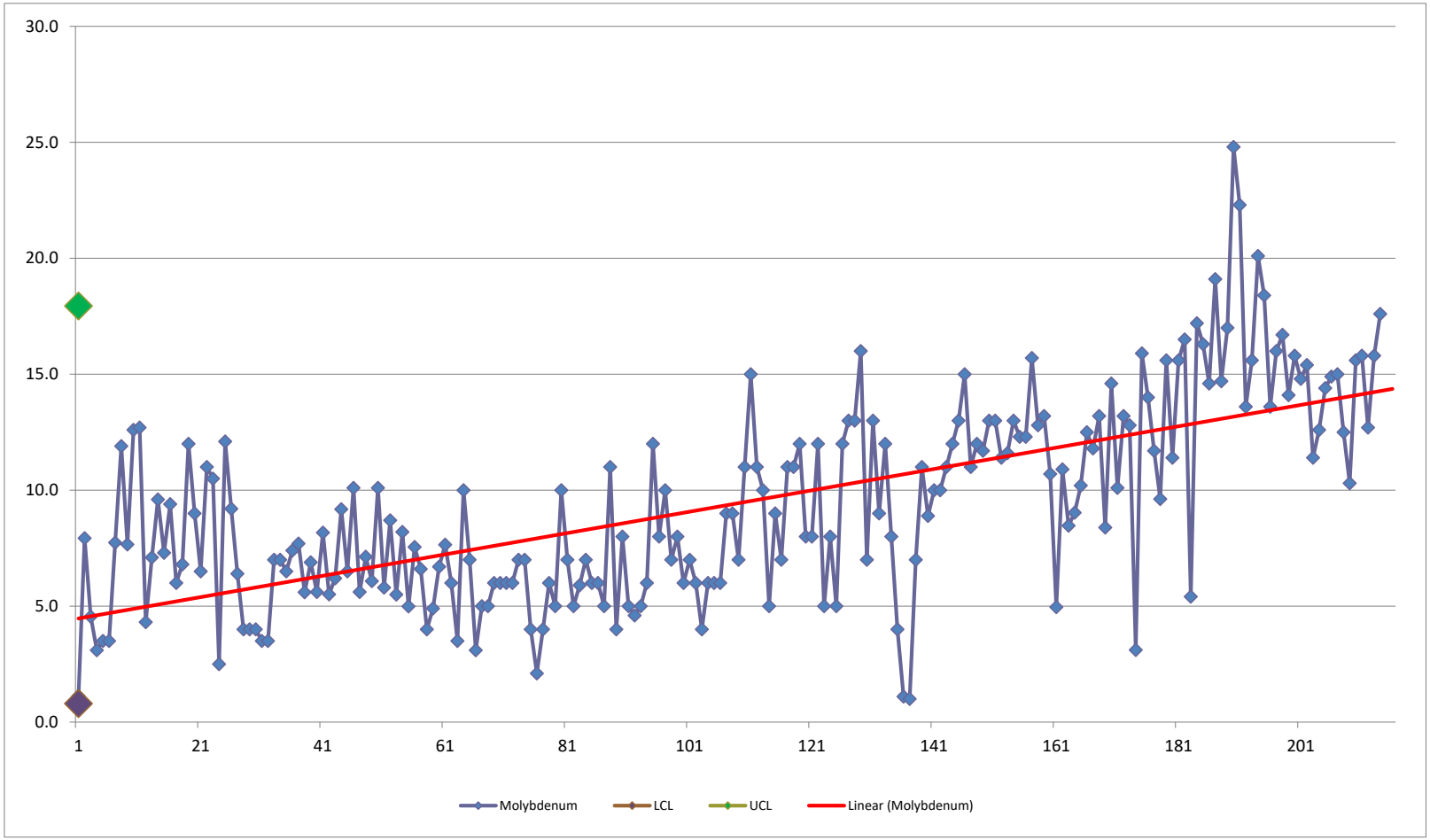
Mercury Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

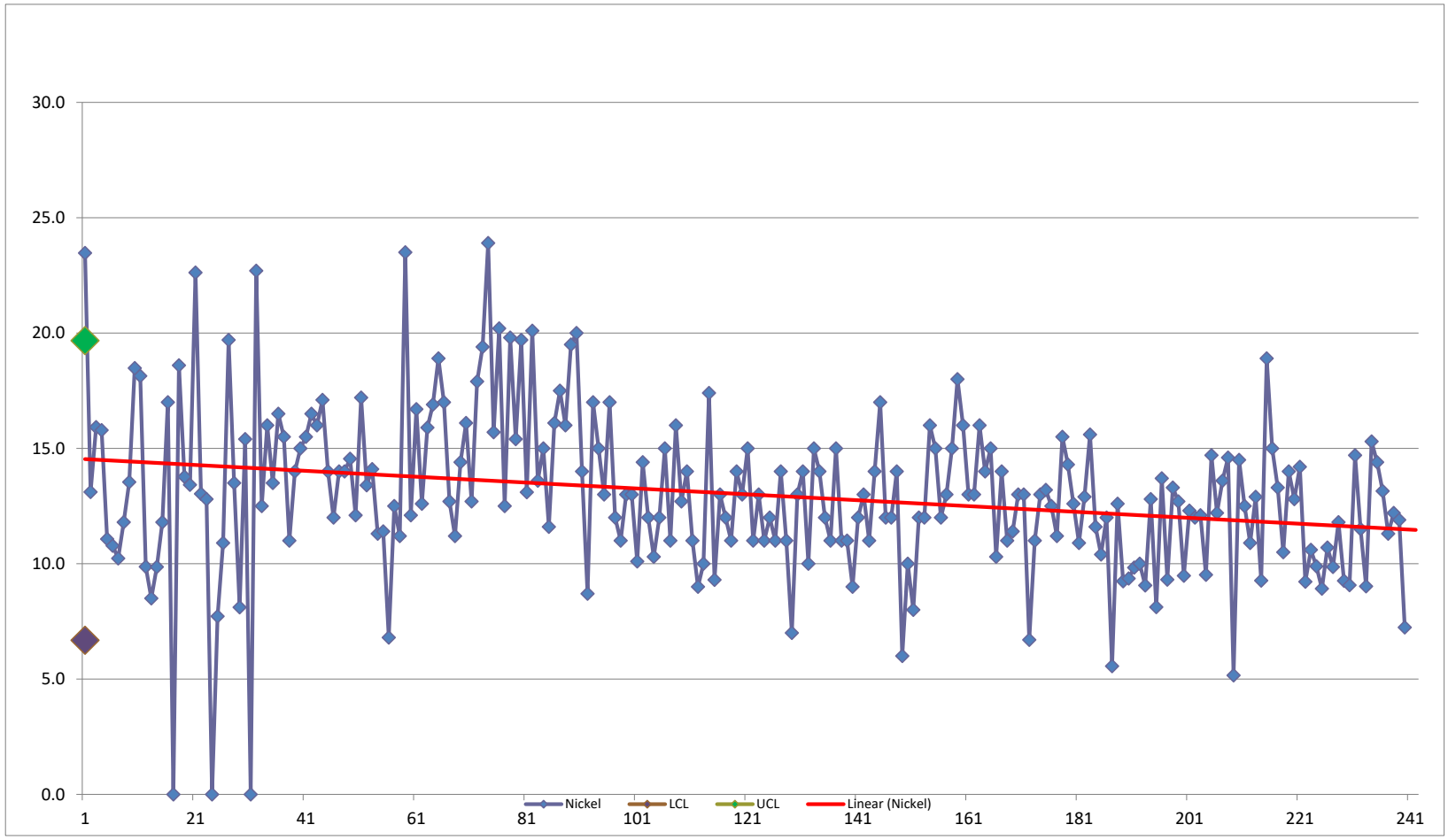
Molybdenum Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

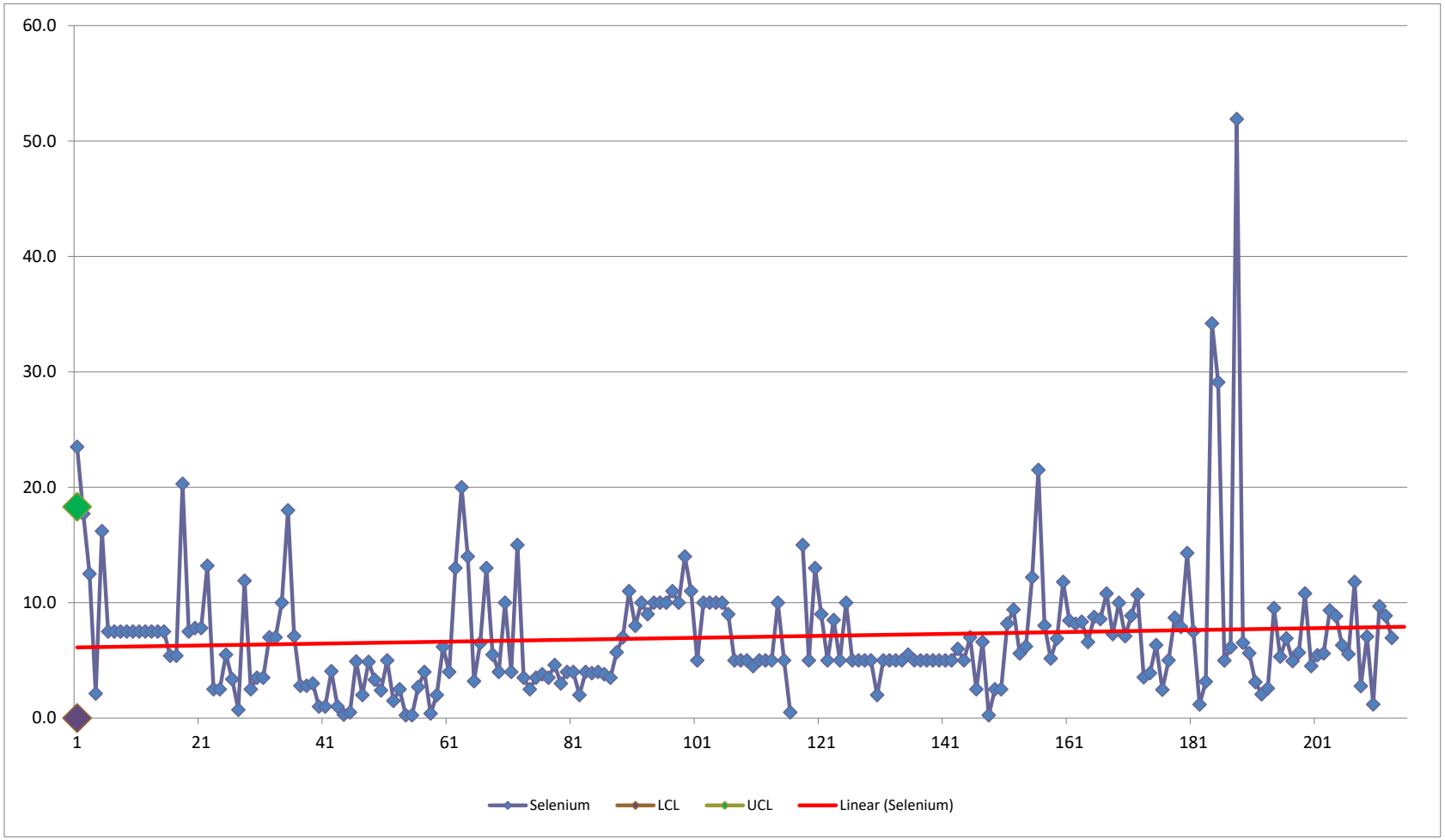
Nickel Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

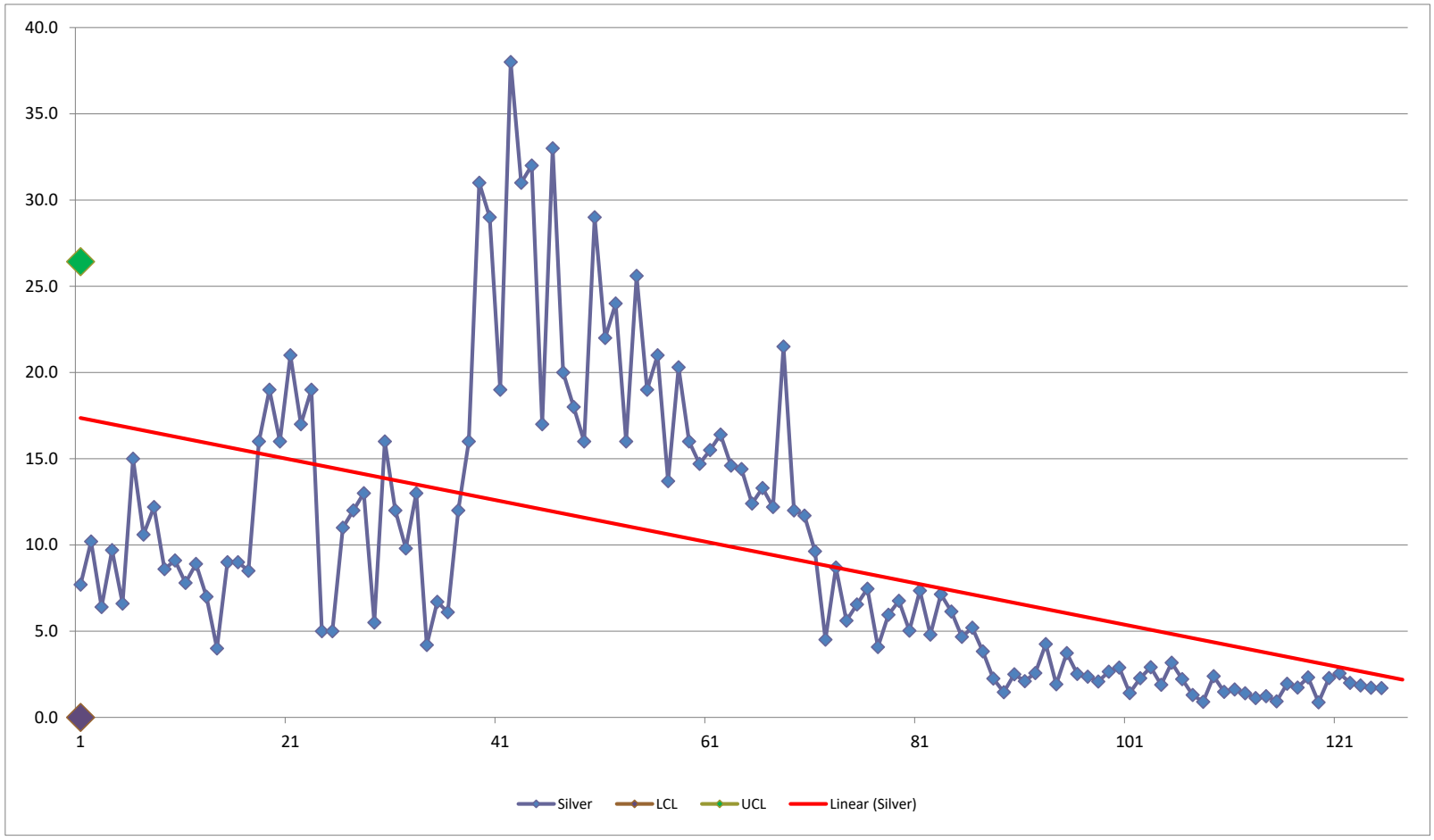
Selenium Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

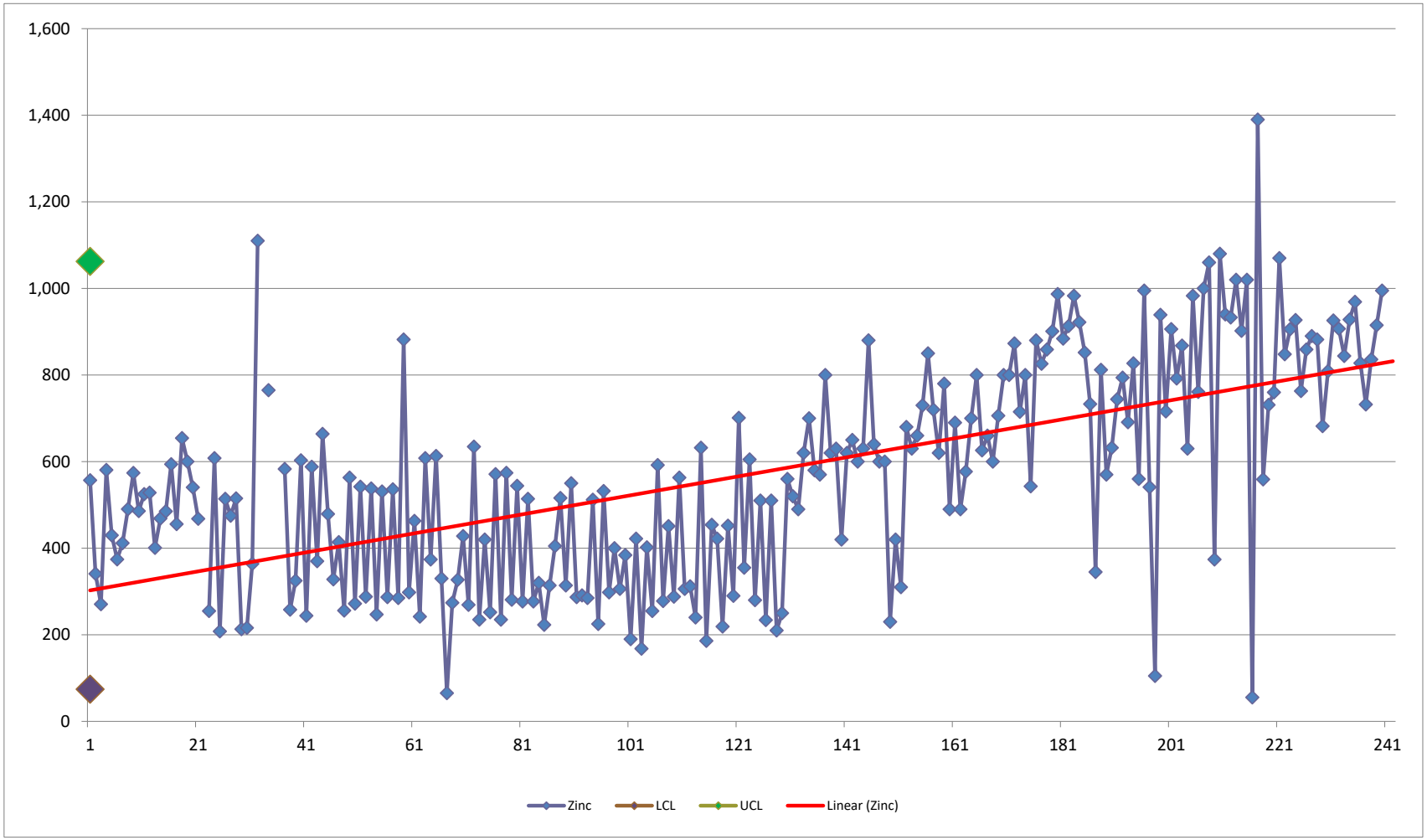
Silver Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

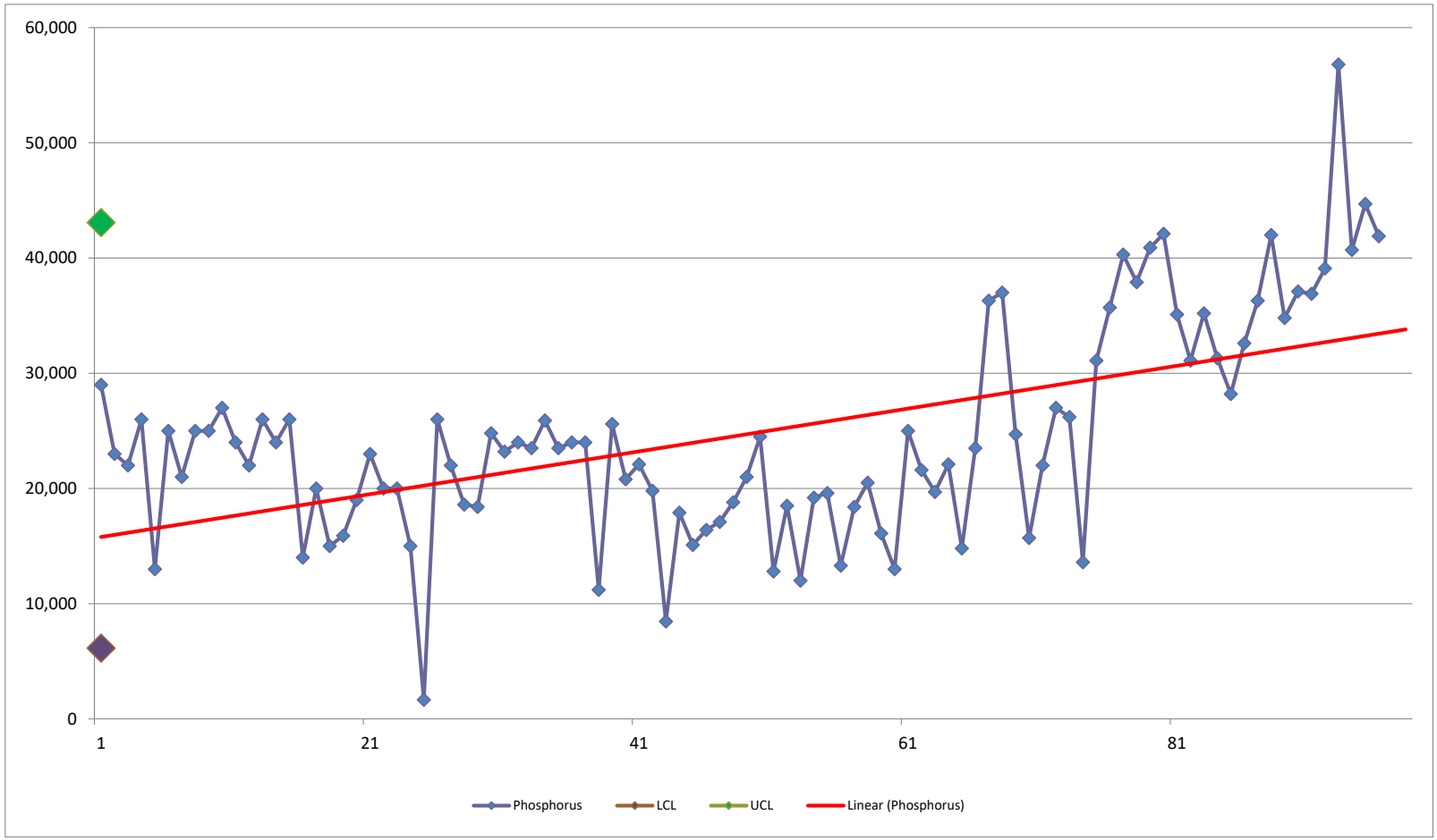
Zinc Quality Control Chart



Central Davis Sewer District

Anaerobic Biosolids

Phosphorus Quality Control Chart



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Compost Biosolids Chemical Quality

1. 2024 Testing Summary
2. Historical Testing Summary
3. Quality Control Charts
4. Laboratory Reports

CDSD Compost Metals Quality - 2024

Date	Type	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphorus ppm	Selenium ppm	Silver ppm	Zinc ppm
7/11/2024	CPT	7,920	9.8	0.6	12.1	353	18.3	0.08	3.8	7.0	14,000	2.6	0.8	479
7/11/2024	CPT	6,970	8.8	0.6	8.9	292	9.5	0.10	3.7	6.3	14,600	1.1	0.2	349
7/11/2024	CPT	6,790	10.0	0.7	12.9	346	13.1	0.39	4.7	7.1	13,500	1.0	0.7	362
7/11/2024	CPT	4,690	7.2	0.5	8.7	270	8.9	0.13	3.4	5.4	9,760	0.7	0.5	281
7/11/2024	CPT	4,550	6.7	0.4	6.9	242	6.5	0.07	3.6	4.7	9,220	0.8	0.5	258
9/26/2024	CPT	6,080	3.5	0.1	3.1	110	3.2	0.2	1.4	1.6	4,690	0.9	0.2	126
Total Year Values														
Minimum		**4,550**	**3.5**	**0.1**	**3.1**	**110**	**3.2**	**0.1**	**1.4**	**1.6**	**4,690**	**0.7**	**0.2**	**126**
Average		**6,167**	**7.6**	**0.5**	**8.8**	**269**	**9.9**	**0.2**	**3.4**	**5.4**	**10,962**	**1.2**	**0.5**	**309**
Maximum		**7,920**	**10.0**	**0.7**	**12.9**	**353**	**18.3**	**0.4**	**4.7**	**7.1**	**14,600**	**2.6**	**0.8**	**479**

Date	TKN ppm	Ammonia as N ppm	Nitrate+ Nitrite- Total ppm	Total Solids %
7/11/2024	21,400	1,740	0.25	94
7/11/2024	15,300	1,230	548	59
7/11/2024	20,500	1,380	377	66
7/11/2024	27,000	1,380	174	89
7/11/2024	23,600	1,360	348	87
9/26/2024	10,700	461	79	79
Minimum	**10,700**	**461**	**0**	**59**
Average	**19,750**	**1,259**	**254**	**79**
Maximum	**27,000**	**1,740**	**548**	**94**

***Notes**: All ND values are taken as 0.25*MDL and shown as blue

Central Davis Sewer District

Composted Biosolids - Historic Table

Date	#	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphr ppm	Selenium ppm	Silver ppm	Zinc ppm
4/5/1999	Compost 1	7,700.0	14	0.7	14	290	18	2.4	15	12		14	4.7	220
4/5/1999	Compost 2	11,000.0	15	0.8	18	320	22	2.8	3	15		15	6	340
4/5/1999	Compost 3	9,900.0	14	0.7	17	300	32	3	2.8	13		14	5.5	260
4/5/1999	Compost 4	9,800.0	14	0.7	16	300	25	2.4	4	13		14	5.3	260
4/6/2000	N22	12,000.0	11	1	18	410	52	1.4	3	13	17,000.0	5	9	320
4/6/2000	S22	10,000.0	5	1.1	17	380	28	1.3	7	12	15,000.0	5	8	300
4/6/2000	W12	13,000.0	5	1	21	400	33	1.9	3	16	18,000.0	5	8.7	310
4/6/2000	E12	12,000.0	5	1.4	19	430	39	1.6	4	14	19,000.0	5	9	330
4/6/2000	N21	12,000.0	5	1	18	380	38	1.64	3	13	17,000.0	5	8	310
4/6/2000	S21	9,400.0	5	1	19	340	28	1.6	2	11	14,000.0	5	7	260
4/6/2000	W11	13,000.0	5	1	19	450	36	1.6	4	14	19,000.0	5	9.5	320
4/6/2000	E11	11,000.0	5	1	17	360	120	2.3	3	13	17,000.0	10	8.6	310
11/3/2000	18	12,000.0	5	0.6	15	390	20	1.3	6	11	18,000.0	13	10	280
11/3/2000	43	10,000.0	5.5	0.6	13	350	16	1.6	3	9	16,000.0	5.5	8	250
11/3/2000	80	13,000.0	6	0.3	17	460	26	1.9	5	13	19,000.0	16	9.3	330
11/3/2000	86	17,000.0	6.5	0.9	20	0.5	37	1.9	7	15	24,000.0	19	14	410
11/3/2000	87	12,000.0	6.5	0.35	15	420	27	2	6	11	17,000.0	6.5	9	310
11/3/2000	93	14,000.0	6.5	0.3	16	450	23	2	5	12	20,000.0	6.5	9.6	300
12/5/2001	1	8,400.0	5	0.25	9.6	370	16	2	4	9	13,000.0	5	6.9	220.0
12/5/2001	2	12,000.0	4.5	0.6	13	450	21	2.1	4	10	19,000.0	11	9	300.0
12/5/2001	3	9,300.0	5	0.5	11	370	14	1.2	4	9	14,000.0	5	7	230.0
12/5/2001	4	15,000.0	4.5	0.8	15	540	34	2.6	5	13	22,000.0	4.5	13	380.0
6/17/2002	1 1	8,800.0	17	0.6	26	360	10	4		9	13000.0	11	5.4	250
6/17/2002	1 2	13,000.0	5	0.5	15	460	11	5		12	20000.0	5	8.2	290
6/17/2002	2 1	13,000.0	5	0.7	14	430	14	5		10	18000.0	11	7.3	290
6/17/2002	2 2	6,800.0	5	0.025	7.7	290	9	6		7	10000.0	5	4.4	170
6/17/2002	3 1	31,000.0	5	0.025	30.7	170	3.5	4		4	7100.0	5	2.4	96
6/17/2002	3 2	16,000.0	10	0.5	19	530	7	5		14	24000.0	10	8	370
5/8/2003	11	13,000	12	1	12	390	15	1.7	3	11	16000.0	5	6.8	290
5/8/2003	12	13,000	5	1.1	11	410	17	2	4	10	16000.0	5	7.8	280
5/8/2003	13	14,000	5	1.2	13	480	18	2.3	5	12	20000.0	5	8.2	330
5/8/2003	14	9,800	5	0.9	8.8	310	12	2.2	4	8	14000.0	5	4.5	240
5/8/2003	21	12,000	5	1	11	370	16	1.6	4	9	15000.0	5	5.7	280
5/8/2003	22	12,000	5	1	11	360	16	2	4	10	16000.0	5	5.4	260
5/8/2003	23	11,000	5	1	10	380	14	1.4	4	9	15000.0	5	5.6	270
10/8/2003	101	8,600	5	0.7	7	310	12	1.9	3	7	11000.0	5	8.2	220
10/8/2003	102	7,000	5	0.7	5.9	250	9	1.3	3	6	10000.0	5	4.8	190
10/8/2003	103	12,000	5	1	10	400	17	1.9	4	9.6	17000.0	5	8.1	300
1/31/2004	B-40	15,000	5	0.7	12	570	18	1.7	8	11	21000	5	24	340
3/18/2004	4041	13,000	5	0.8	13	400	19	2.1	6	10	18000	5	8.4	290
3/18/2004	4042	11,000	5	0.7	9.3	340	22	1.5	3	7	16000	5	8.3	250
8/27/2004	8041	12,000	11	0.7	17	360	20	1.2	12	13	15000	5	13	290
8/27/2004	8042	12,000	5	0.6	14	380	20	1.5	8	11	16000	5	15	290
8/27/2004	8043	13,000	12	0.7	22	420	15	1.5	7	11	19000	5	18	310
8/27/2004	8044	12,000	5	0.5	14	380	12	1.5	6	11	16000	5	15	280
8/19/2005	C-17	7500	5	1.2	11	280	13	2.7	1	9	10000	5	9	220
8/19/2005	C-37	10400	5	1.3	12.6	353	14	2.7	1	12	13900	5	10.5	309
8/19/2005	C-63	8860	5	1.2	10.9	322	12	2.7	1	10	12300	5	9.6	539
11/6/2005	c-51	7800	5	0.7	12	330	8	2.7	3	11	11500	5	8.8	250
11/6/2005	c-52	7240	5	0.7	12	305	8	2.7	3	11	10600	5	8.7	225
11/6/2005	c-53	7850	5	0.6	12	300	8	2.7	3	10	11700	5	9.5	230
6/4/2006	1	3020	5	0.25	5.2	189	3.5	0.97	3.5	4.7	6400	5	5.2	113
6/4/2006	2	7200	5	0.5	10	400	10	0.7	3	8	12000	5	10	240
6/4/2006	3	7400	5	0.25	11	370	11	1	3	8.6	12000	5	10	240
6/4/2006	4	7500	5	0.25	10	370	11	1.1	4	8	12000	5	12	230
6/4/2006	5	6100	5	0.25	9.5	300	9.4	0.8	3	7	9900	5	9.4	200
10/5/2006	1	6000	5	0.25	10	300	12	1.3	3	8	12000	5	9.3	250
4/27/2007	4271	5900	6	0.6	10.55	420	9.6	0.9	4.5	8	12000	2.5	8	260
4/28/2007	4272	5600	6.3	0.6	10	400	9	0.8	4.5	8	12000	2.5	9.2	270
4/29/2007	4273	6300	6.8	6	11	440	10	1.2	6.7	8.7	13000	2.5	8.7	300
7/27/2007	CM-72707-1	3500	5.3	0.25	10	247	7	0.5	4	6.7	7500	2.5	5.2	170
7/28/2007	CM-72707-2	3000	6	0.25	8.4	222	7	0.6	4	7.4	6500	2.5	4.4	140
8/16/07	07 09065	5918	6	0.5	11.1	392	12	0.9	3	11.1	13800	2	9.2	298
8/28/07	07 09527	8100	8	0.7	17	574	13	1.3	4	11.5	20700	2.5	14	360
4/15/08	804513	5690	7	0.5	9	511	9	1.54	3	8	13700	2.5	7.8	300
4/15/08	804514	6440	7	0.5	10.6	558	11	1.26	5	8.6	15600	2.5	8.3	342
5/20/2008	806162	4730	7	0.5	10.1	376	10	0.81	4	7.8	11100	2.5	6.4	260
8/1/2008	810140	5900	7	0.6	12.3	384	31	1.31	4	8.6	15200	2.5	7.1	286
9/19/2008	813057	5420	7.7	0.7	11.2	404	26	0.84	3.3	8.4	15850	2.5	6.7	307

Central Davis Sewer District

Composted Biosolids - Historic Table

Date	#	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphr ppm	Selenium ppm	Silver ppm	Zinc ppm
9/30/08	813589	6500	8	0.7	13.6	451	21	1.21	3	9.4	19100	2..5	7.1	348
4/14/09	CPT	5480	10.4	0.7	14.2	585	13.5	1.2	4.1	9.4	14300	3.8	6.8	375
4/30/09	CPT	4910	8.2	0.6	9	462	12.4	0.7	3.8	7.1	12300	3	5.4	320
5/28/09	CPT	5760	8.9	0.8	11.4	535	18.3	0.9	4.4	8.6	15500	5.2	6.7	387
5/28/09	CPT	6090	8.1	0.8	12	554	18.2	0.9	4.7	8.7	15500	3.2	7.1	391
5/28/09	CPT	3620	8	0.6	8.3	395	14.1	0.5	4.5	7.3	9990	5.1	4.3	251
9/24/09	CPT	6760	10.6	0.8	14.2	586	14.1	1.2	8.2	11	18000	4.7	6.9	497
4/21/10	CPT	3960	9.1	0.6	9.8	471	9.7	0.7	5.6	6.8	11300	3.7	5.0	293
4/21/10	CPT	3440	8.1	0.5	7.9	436	8.9	0.6	3.7	6.6	9240	5.0	4.4	254
4/21/10	CPT	4640	9.3	0.7	10.0	533	9.9	0.8	4.9	8.1	12800	5.1	5.6	334
6/23/2010	CPT	3,740	8.9	0.6	8.2	403	7.2	0.7	4.1	6.5	12,600	4.2	4.7	259
6/23/2010	CPT	3,790	8.3	0.5	8.6	395	7.5	0.7	4.0	6.5	13,100	3.6	4.4	253
10/11/2010	CPT	4,520	8.5	0.5	10.4	409	9.4	0.9	3.2	8.0	1,480	5.3	4.2	254
6/6/2011	CPT	6,430	17.5	0.7	14.6	559	17.2	0.8	5.2	10.3	15,400	11.7	5.3	349
6/6/2011	CPT	4,820	19.2	0.7	10.1	561	14.4	0.1	5.1	8.0	13,200	13.0	5.1	330
6/6/2011	CPT	5,200	15.7	0.7	10.6	562	13.3	0.6	4.5	8.1	13,900	9.8	5.5	334
7/26/2011	CPT	3,480	14.6	0.5	10.6	415	14.0	0.6	4.8	7.9	10,100	8.7	4.0	263
7/26/2011	CPT	4,740	16.4	0.7	12.1	495	13.3	0.9	4.4	8.3	12,500	10.0	5.0	312
10/10/2011	CPT	5,070	12.7	0.7	15.4	503	12.9	0.7	3.7	10.6	14,200	6.5	5.0	332
5/3/2012	CPT	2,500	13.9	0.6	10.3	399	7.6	0.7	4.5	6.6	9,890	8.3	2.7	258
5/3/2012	CPT	2,510	13.5	0.6	11.4	404	8.5	0.7	4.2	6.9	9,640	7.1	2.7	259
5/3/2012	CPT	3,150	16.4	0.7	18.1	478	9.6	0.6	5.1	7.7	11,600	6.1	3.4	311
8/14/2012	CPT	3,820	12.3	0.8	13.8	466	13.0	0.8	3.8	8.7	14,500	7.5	3.7	316
8/14/2012	CPT	4,200	12.6	0.7	14.5	472	12.9	0.8	4.0	8.8	15,400	7.3	3.8	325
8/14/2012	CPT	4,030	4.9	0.2	8.0	22.9	8.2	0.2	0.9	4.3	1,630	2.8	0.2	71.7
5/14/2013	CPT	2,550	14.7	0.6	7.6	464	10.9	0.4	3.8	6.8	10,200	7.1	3.3	266
6/27/2013	CPT	4,250	15.1	0.6	13.7	474	13.3	0.8	3.9	8.9	19,900	6.7	2.9	318
6/27/2013	CPT	3,400	12.6	0.7	11.8	502	25.4	0.3	3.8	8.1	13,400	6.6	3.5	337
6/27/2013	CPT	3,290	14.3	0.6	10.7	407	10.5	0.1	3.4	7.3	15,400	6.2	2.6	278
10/8/2013	CPT	2,390	10.8	0.5	9.5	392	8.5	0.8	4.3	7.0	9,390	3.1	2.6	254
10/8/2013	CPT	1,730	10.1	0.4	6.7	317	7.3	0.4	3.1	5.4	7,410	5.2	1.9	186
5/22/2014	CPT	1,510	5.8	0.3	5.1	303	5.5	0.5	3.2	2.2	7,160	3.1	1.9	220
5/22/2014	CPT	1,300	4.9	0.3	4.7	273	4.8	0.5	3.3	4.4	6,330	2.8	1.5	179
5/22/2014	CPT	1,720	4.4	0.4	5.5	300	6.0	0.5	4.5	5.2	7,460	3.0	1.6	202
6/9/2014	CPT	2,970	7.2	0.5	10.0	397	12.7	0.6	4.2	8.0	11,500	1.8	1.9	261
10/20/2014	CPT	494	6.3	0.2	2.6	174	3.8	0.8	2.9	4.1	7,920	1.7	0.6	102
10/20/2014	CPT	677	4.3	0.1	2.8	167	3.6	1.1	2.8	3.3	5,360	1.1	0.8	100
5/11/2015	CPT	821	2.6	0.3	4.1	172	9.5	0.2	1.7	3.0	4,530	1.8	0.4	138
5/11/2015	CPT	1,250	3.5	0.4	9.6	277	7.7	0.3	2.6	7.6	6,620	3.7	1.2	189
5/11/2015	CPT	1,260	3.9	0.4	5.1	298	6.8	0.3	2.9	4.3	5,370	2.5	1.1	180
5/11/2015	CPT	1,410	4.7	0.4	5.2	304	7.5	0.3	3.1	4.6	8,184	3.2	1.1	211
10/1/2015	CPT	3,550	7.1	0.5	10.9	408	10.1	0.5	3.4	8.6	10,500	1.9	1.0	292
10/1/2015	CPT	2,540	7.3	0.5	13.8	474	11.5	0.5	4.4	8.5	11,000	2.0	1.9	328
9/28/2016	CPT	2,610	8.4	0.7	7.2	377	9.6	0.1	3.3	6.8	6,920	3.7	0.7	209
9/28/2016	CPT	2,420	10.0	1.0	13.1	300	10.0	0.1	1.0	10.9	7,310	15.8	1.0	198
9/28/2016	CPT	2,610	7.6	0.8	9.3	368	9.1	0.2	2.1	7.6	8,960	3.8	0.8	274
9/28/2016	CPT	1,790	7.2	0.7	6.5	258	7.2	0.3	1.9	5.3	8,110	3.6	0.7	166
9/28/2016	CPT	2,400	7.4	0.6	8.8	352	8.0	0.2	2.8	7.2	10,500	3.1	0.6	236
9/28/2016	CPT	1,730	6.6	0.7	6.7	243	6.6	0.1	2.3	5.2	6,710	3.3	0.7	169
2/22/2017	CPT	597	27.3	1.4	2.8	86.9	13.7	0.1	1.1	1.8	2,100	13.7	1.4	63.7
2/22/2017	CPT	1,390	8.8	1.4	4.9	240	4.9	0.3	6.7	4.5	8,590	13.9	0.3	305
2/22/2017	CPT	952	4.4	1.4	3.5	179	3.4	0.4	2.0	3.3	3,360	14.0	1.4	122
7/31/2017	CPT	2,590	16.7	0.3	8.7	292	5.9	0.1	3.0	6.1	7,400	12.1	0.4	223
7/31/2017	CPT	2,580	13.2	0.4	9.2	318	7.7	0.1	2.3	6.7	7,300	11.1	0.4	249
7/31/2017	CPT	3,000	13.8	0.3	9.4	293	7.9	0.1	2.5	7.8	7,280	12.5	0.4	246
2/27/2019	CPT	2,100	6.4	0.3	6.5	276	4.0	0.3	2.8	5.3	7,640	5.9	0.5	122
2/27/2019	CPT	2,940	7.1	0.4	16.0	411	<8.49	0.3	4.4	7.3	10,200	8.6	0.6	187
3/12/2019	CPT	2,130	9.2	0.3	7.8	355	<5.59	0.2	3.6	6.8	11,800	0.6	0.8	185
3/12/2019	CPT	2,560	9.7	0.3	9.0	424	<6.83	0.2	4.0	9.2	13,100	1.2	0.8	205
6/18/2019	CPT	3,920	7.6	0.4	7.3	399	35.5	0.2	3.5	6.7	10,800	5.0	0.6	233
7/25/2019	CPT	3,460	4.9	0.3	4.7	295	15.7	0.2	5.9	5.6	9,070	1.3	0.3	194
5/14/2020	CPT	1,570	6.1	0.3	6.0	276	7.2	0.1	4.0	5.0	10,200	3.4	0.5	176
5/14/2020	CPT	2,240	6.5	0.3	7.7	328	9.7	0.1	3.2	6.1	11,000	2.4	0.6	234
5/14/2020	CPT	2,850	6.3	0.3	7.8	330	12.1	0.1	3.4	6.1	10,100	2.4	0.6	232
5/14/2020	CPT	2,810	7.8	0.4	9.6	378	16.6	0.1	4.2	7.2	12,900	2.8	0.8	257
6/1/2020	CPT	1,450	4.6	0.2	4.9	232	6.4	0.1	3.1	4.8	7,930	2.0	0.4	150
6/1/2020	CPT	2,440	5.6	0.3	4.5	315	12.2	0.1	3.8	6.4	10,500	2.2	0.7	227
3/29/2021	CPT	9,507	10.1	0.3	9.4	434	10.9	0.0	3.9	7.0	13,700	2.7	0.8	343
3/29/2021	CPT	10,800	9.8	0.3	10.4	449	10.5	0.2	5.0	8.6	13,600	2.1	0.8	352

Central Davis Sewer District

Composted Biosolids - Historic Table

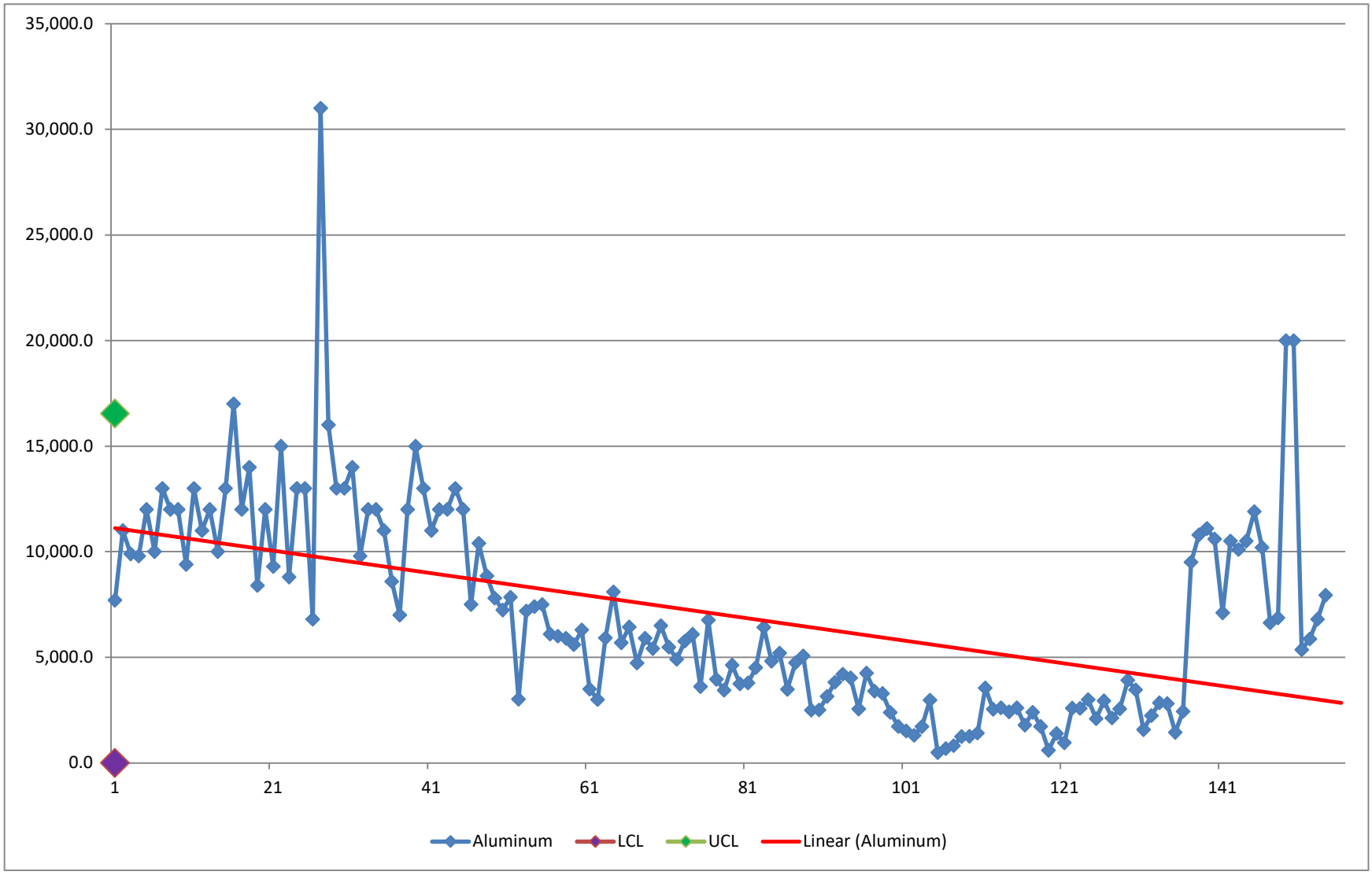
Date	#	Aluminum ppm	Arsenic ppm	Cadmium ppm	Chromium ppm	Copper ppm	Lead ppm	Mercury ppm	Molyb ppm	Nickel ppm	Phosphr ppm	Selenium ppm	Silver ppm	Zinc ppm
3/29/2021	CPT	11,100	6.5	0.2	9.9	393	9.4	0.0	4.5	6.8	13,500	4.1	0.8	313
3/29/2021	CPT	10,600	8.3	0.2	10.1	416	16.1	0.1	4.6	6.4	14,500	3.5	0.8	321
3/29/2021	CPT	7,110	6.2	ND	6.7	349	7.6	0.1	3.3	7.0	10,300	3.6	0.5	257
3/29/2021	CPT	10,500	7.6	0.2	7.8	409	9.1	0.1	5.1	6.3	14,600	3.6	0.4	309
3/28/2022	CPT	10,100	6.8	0.2	6.6	352	6.8	0.1	3.9	4.8	14,100	2.7	0.5	291
3/28/2022	CPT	10,500	8.0	0.2	7.3	372	8.0	0.1	3.4	5.5	11,600	2.7	0.5	316
3/28/2022	CPT	11,900	9.4	0.3	8.6	434	7.6	0.1	4.0	5.7	18,800	3.9	0.7	320
3/28/2022	CPT	10,200	8.9	0.2	9.9	422	4.5	0.2	5.4	6.5	18,600	3.3	0.6	304
3/28/2022	CPT	6,630	5.5	0.1	5.3	292	4.1	0.1	4.0	3.9	9,810	2.9	0.5	205
3/28/2022	CPT	6870	5.7	0.1	5.7	306	5.2	0.1	3.4	4.5	10200	3.2	0.4	219
5/8/2023	CPT	20,000	7.7	0.6	9.0	302	4.7	0.09	5.5	5.1	13,100	2.8	0.8	358
5/8/2023	CPT	20,000	8.2	0.6	8.9	306	5.2	0.13	4.2	4.5	13,300	2.6	0.8	346
5/30/2023	CPT	5,360	3.1	0.3	6.0	177	3.0	0.10	2.7	3.4	7,390	0.6	0.3	171
5/30/2023	CPT	5,870	4.2	0.3	6.4	206	4.5	0.20	2.7	3.6	7,950	1.6	0.3	209
5/30/2023	CPT	6,800	3.3	0.4	7.4	229	3.6	0.01	2.3	4.2	8,790	1.6	0.4	206
7/5/2023	CPT	7,940	3.0	0.6	8.7	221	2.4	0.1	1.3	5.1	11,700	1.4	0.7	243
average		**7,033**	**7.9**	**0.6**	**10.9**	**368**	**14.0**	**1.1**	**4.0**	**8.2**	**12,550**	**5.4**	**5.0**	**264**
Std. Dev.		**4,759**	**3.9**	**0.5**	**4.5**	**105**	**12.1**	**1.1**	**1.8**	**2.9**	**4,431**	**3.6**	**4.2**	**74**
Avg-2StDv		**0**	**0.1**	**0.0**	**1.9**	**157**	**0.0**	**0.0**	**0.4**	**2.4**	**3,687**	**0.0**	**0.0**	**117**
Avg+2StDv		**16,550**	**15.6**	**1.7**	**19.9**	**579**	**38.3**	**3.3**	**7.5**	**13.9**	**21,412**	**12.6**	**13.5**	**412**

Note: 1. When a value was found to be below the detection limit, the whole number of the detection limit was used in the analysis.

2. An ** indicates that the value has not been used because of suspect integrity

Central Davis Sewer District
Composted Biosolids

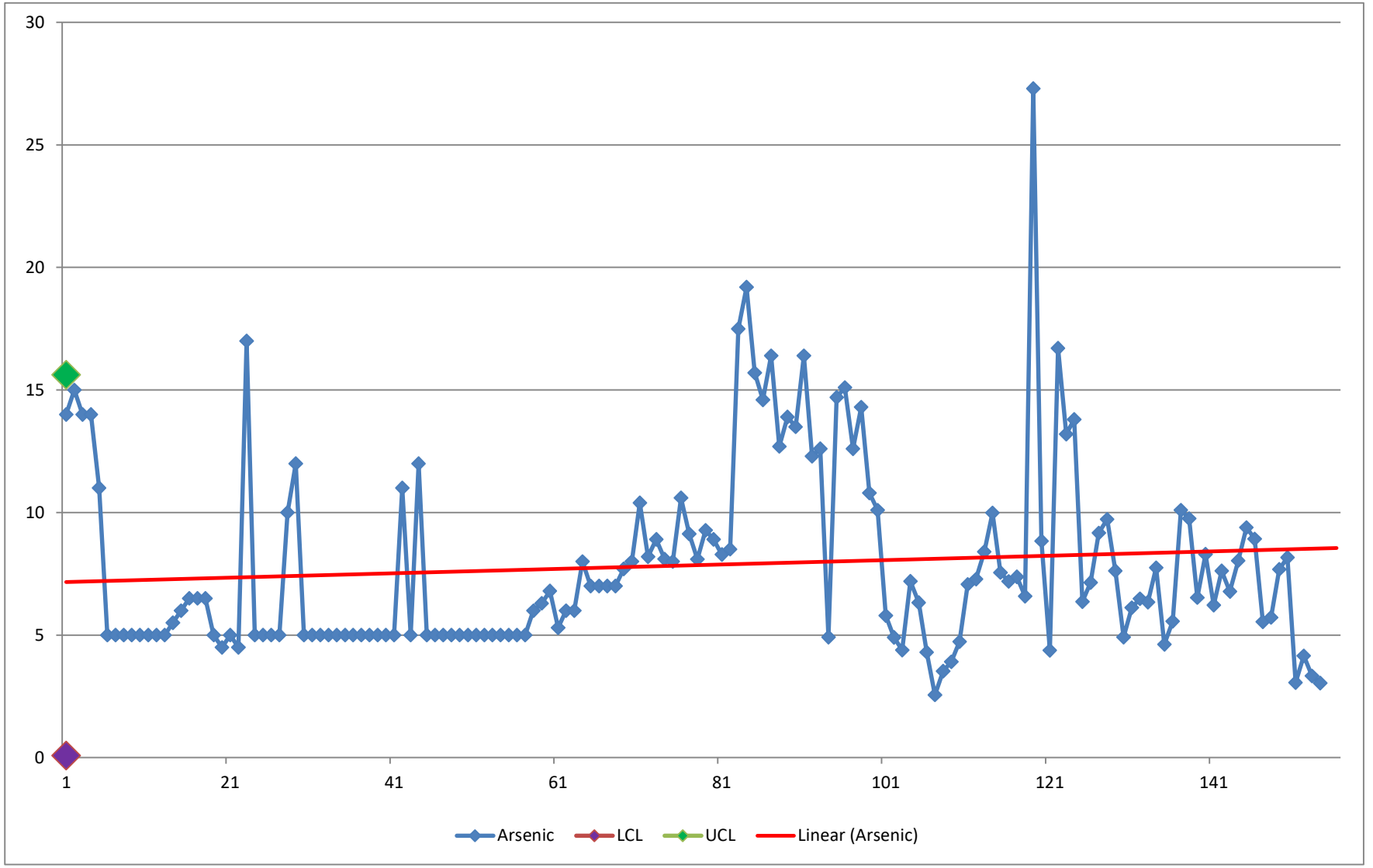
Aluminum Quality Control Chart



2/5/2025 8:55 AM
Compost Biosolids Metals Summary - 2024 Al QC Chart

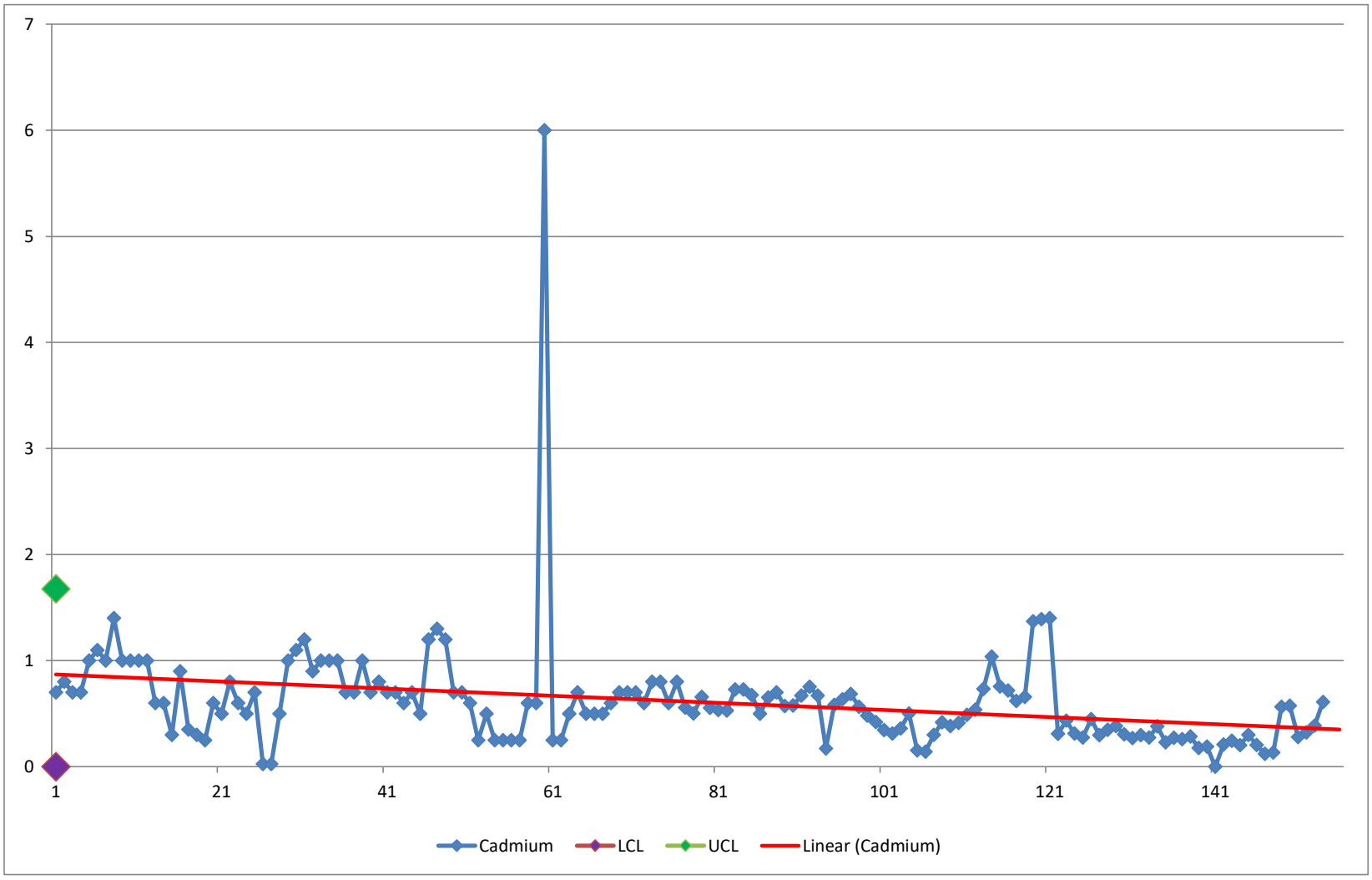
Central Davis Sewer District
Composted Biosolids

Arsenic Quality Control Chart

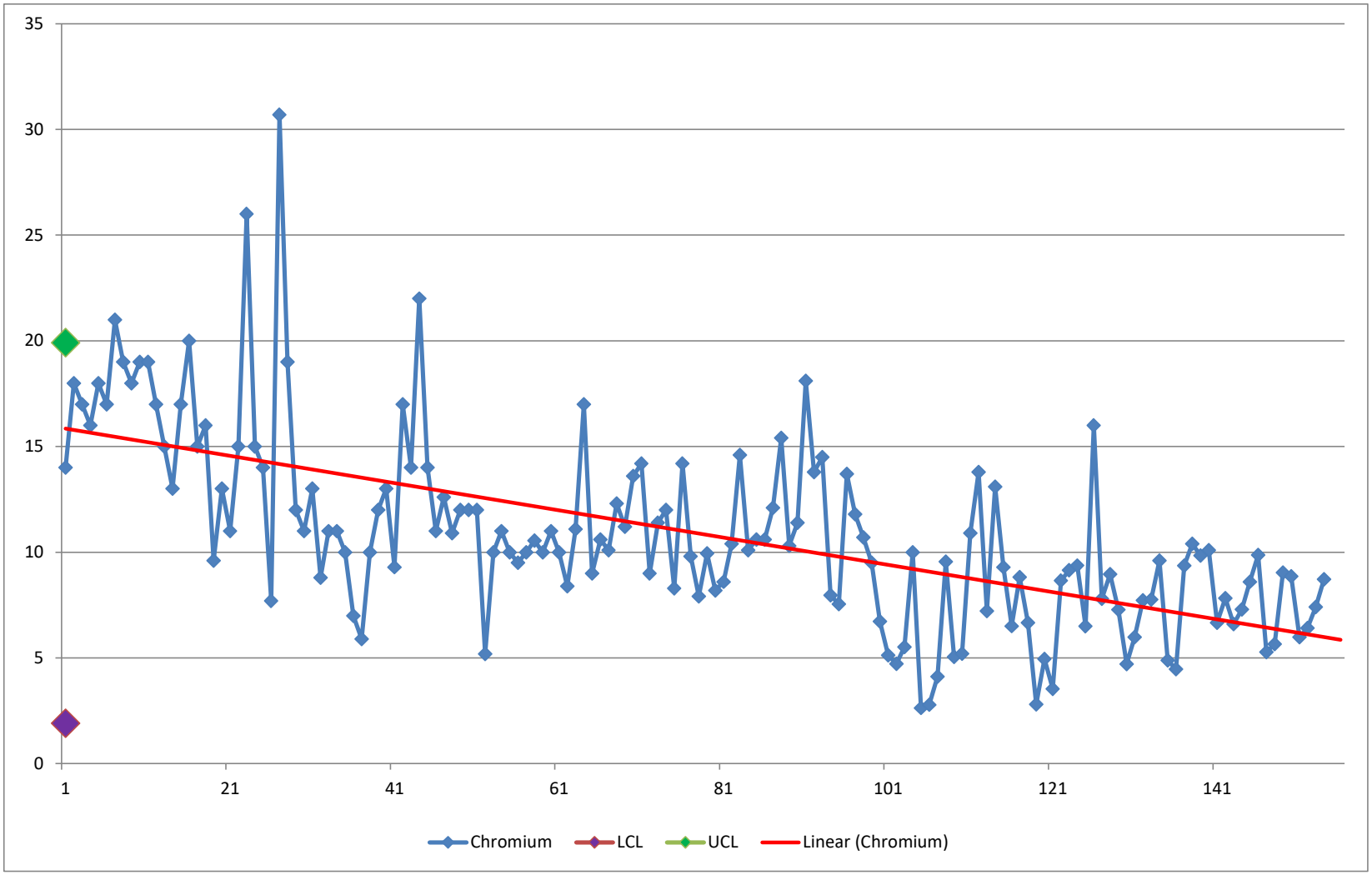


Central Davis Sewer District
Composted Biosolids

Cadmium Quality Control Chart

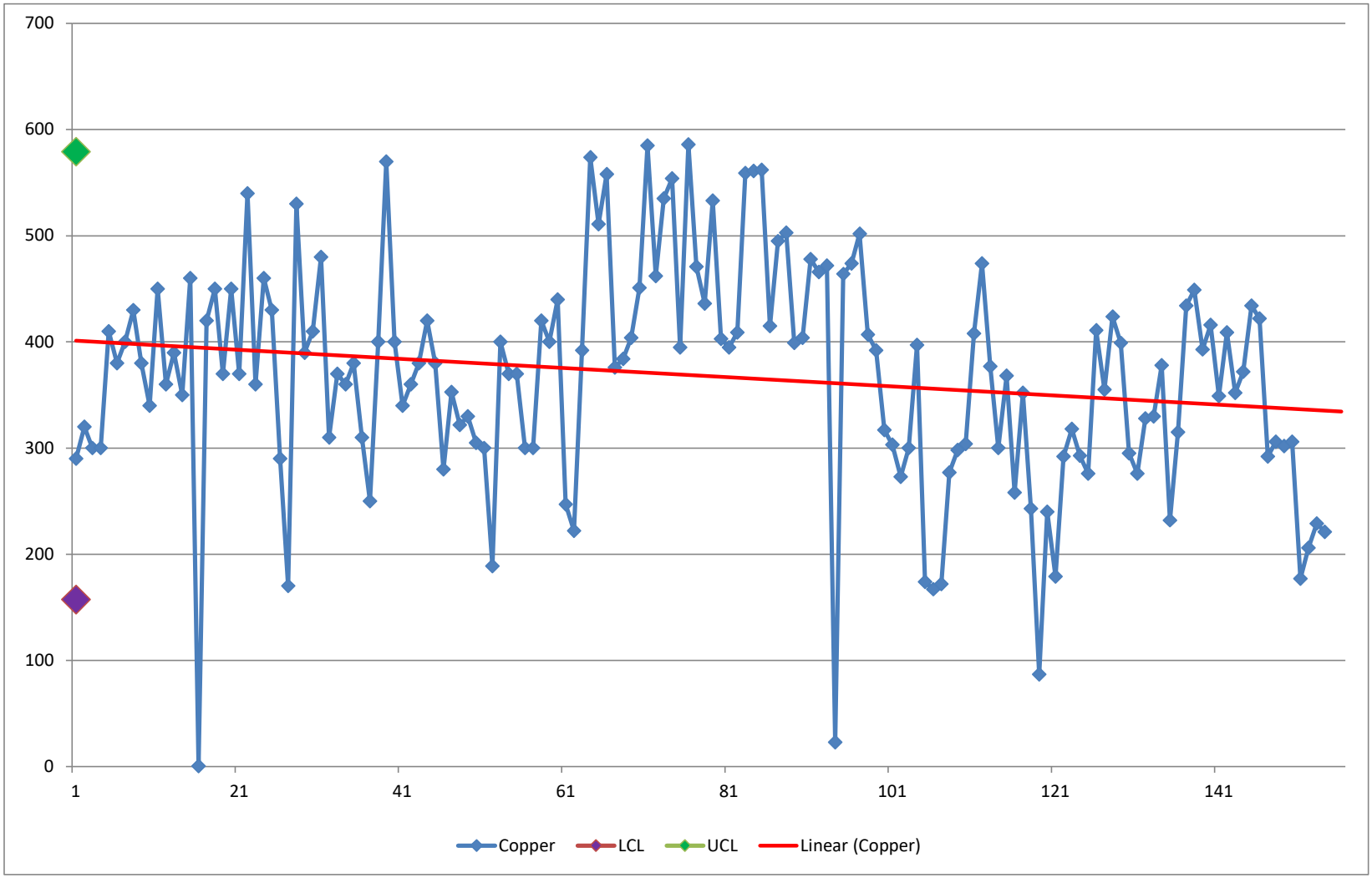


Central Davis Sewer District
Composted Biosolids
Chromium Quality Control Chart



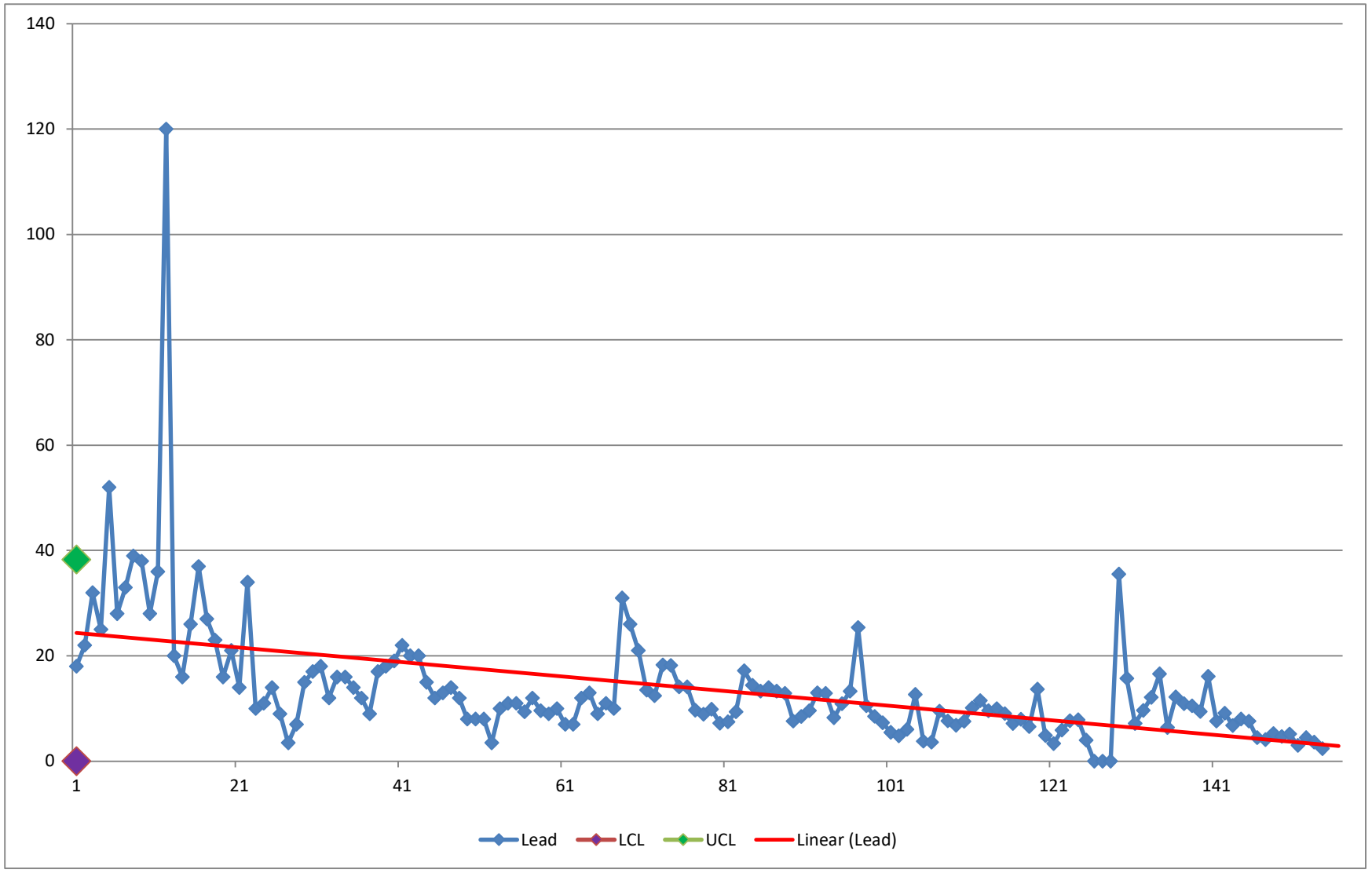
Central Davis Sewer District
Composted Biosolids

Copper Quality Control Chart



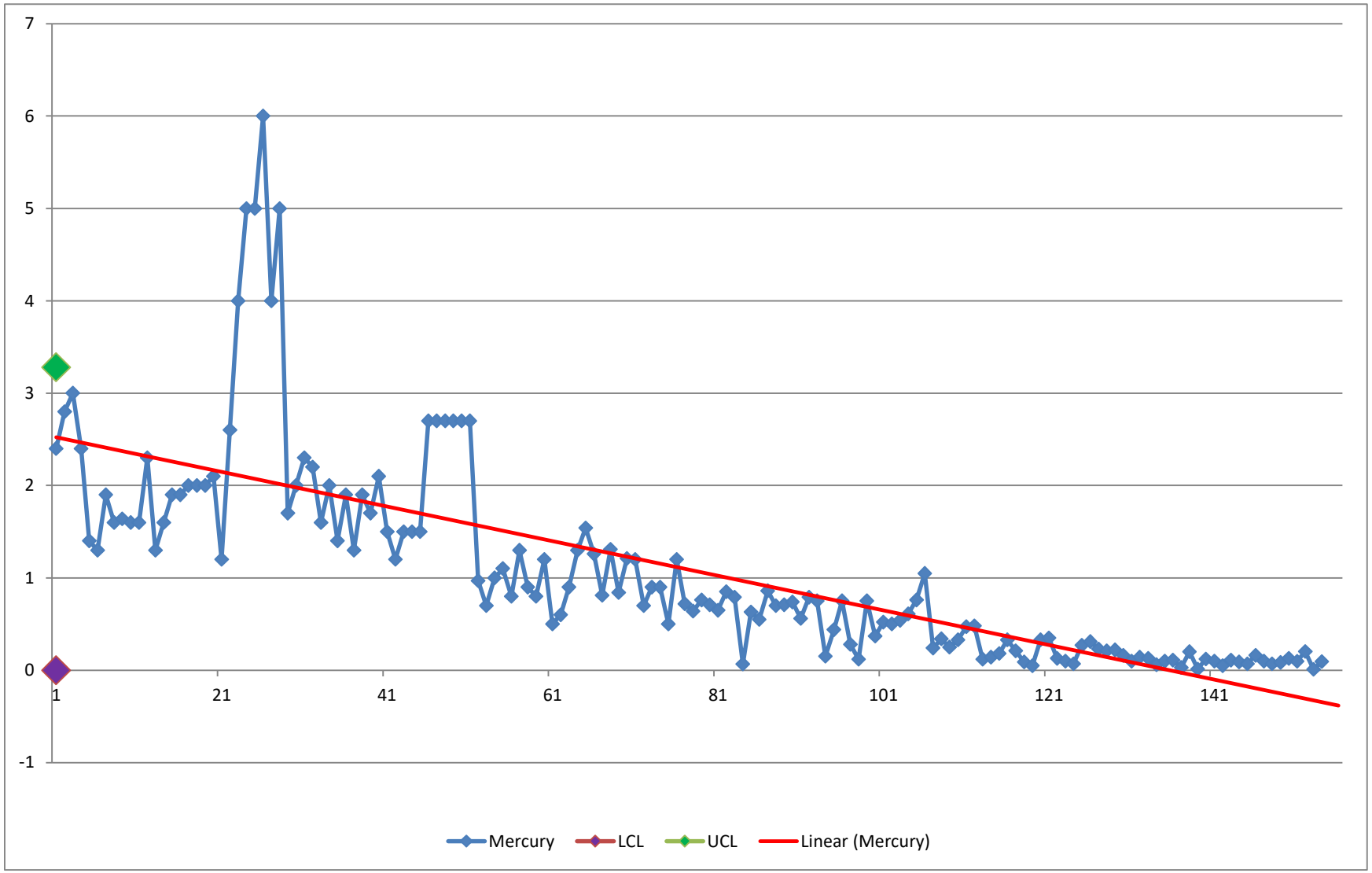
Central Davis Sewer District
Composted Biosolids

Lead Quality Control Chart



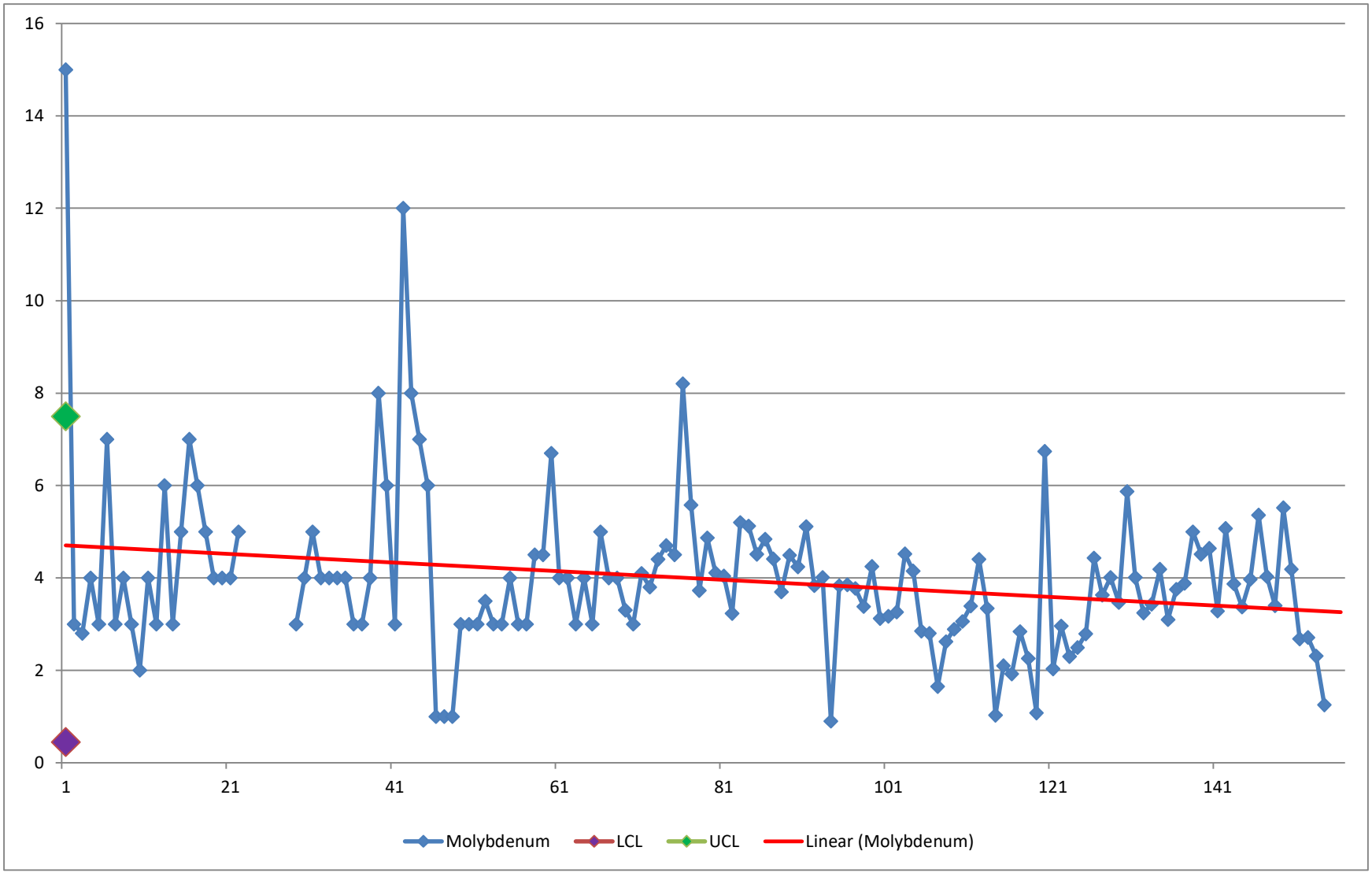
Central Davis Sewer District
Composted Biosolids

Mercury Quality Control Chart



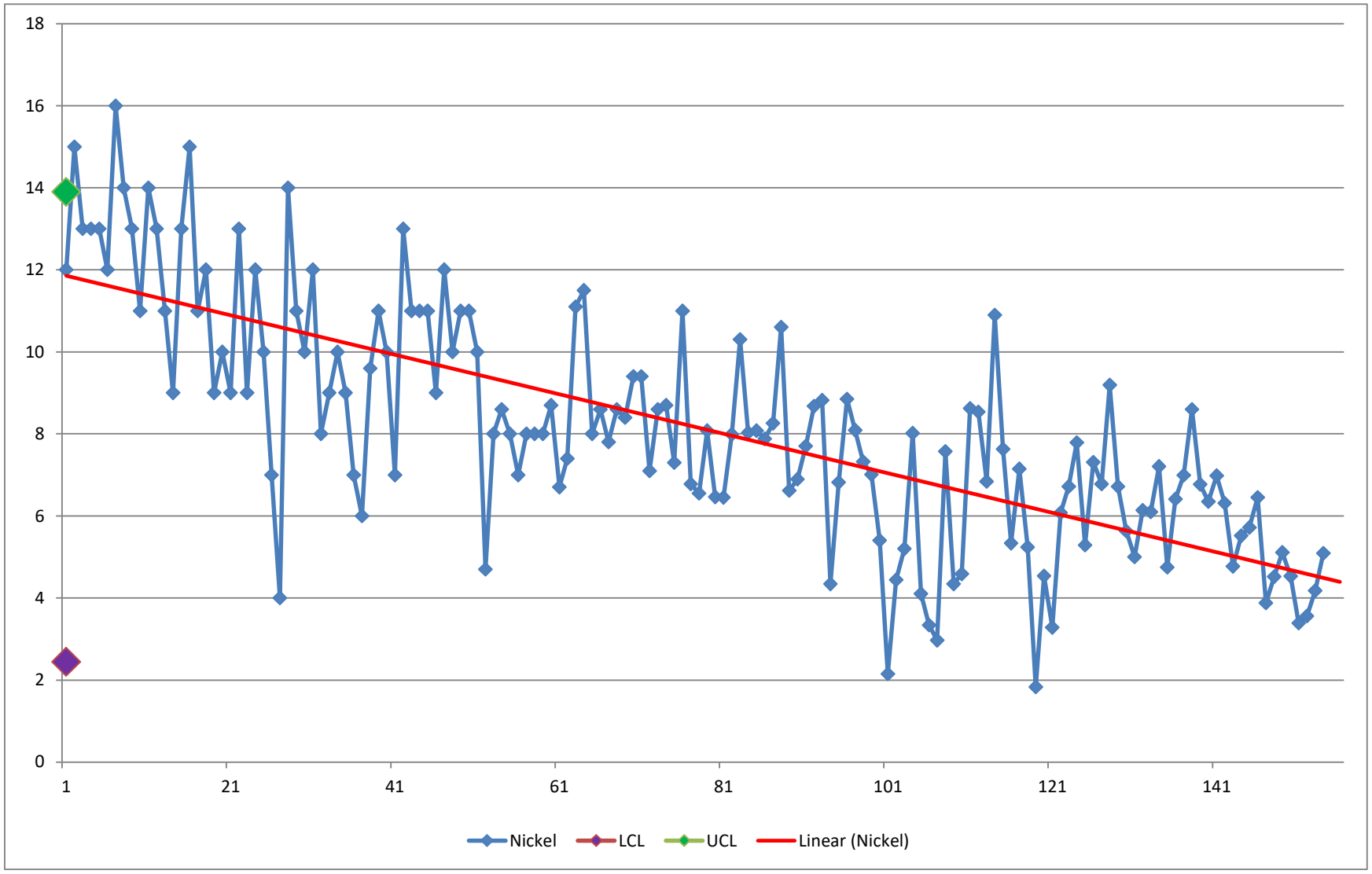
Central Davis Sewer District
Composted Biosolids

Molybdenum Quality Control Chart



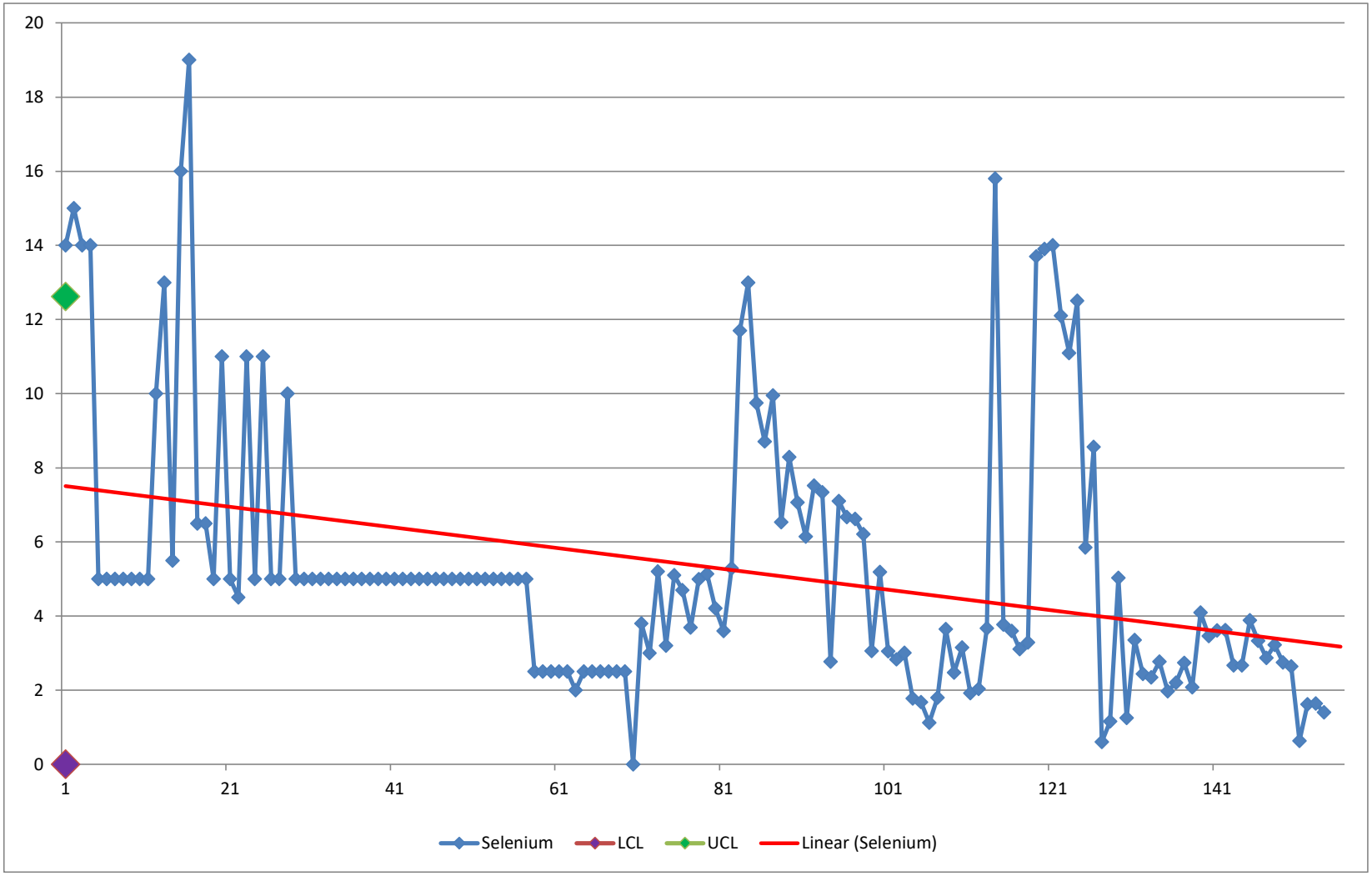
Central Davis Sewer District
Composted Biosolids

Nickel Quality Control Chart



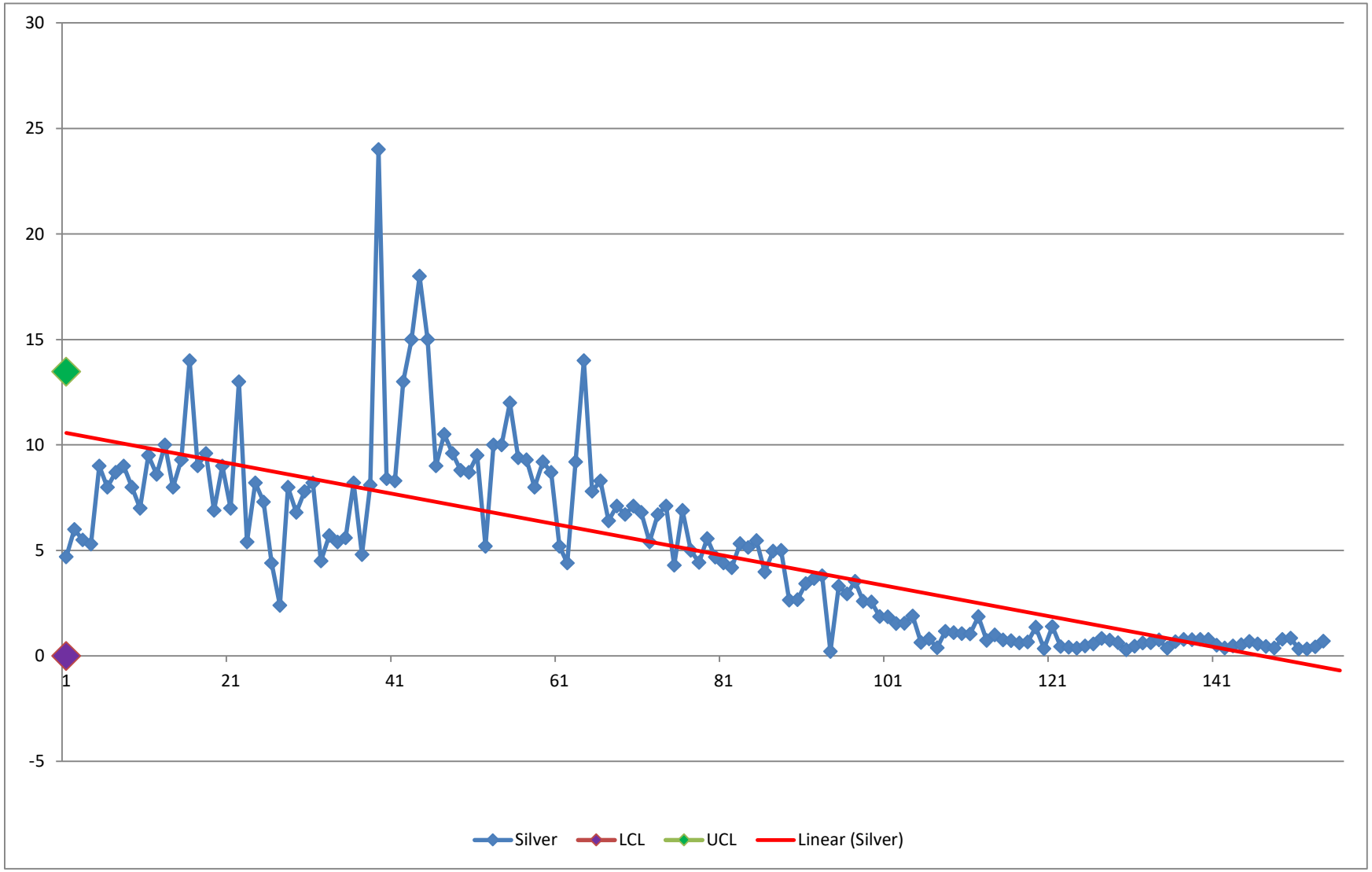
Central Davis Sewer District
Composted Biosolids

Selenium Quality Control Chart



Central Davis Sewer District
Composted Biosolids

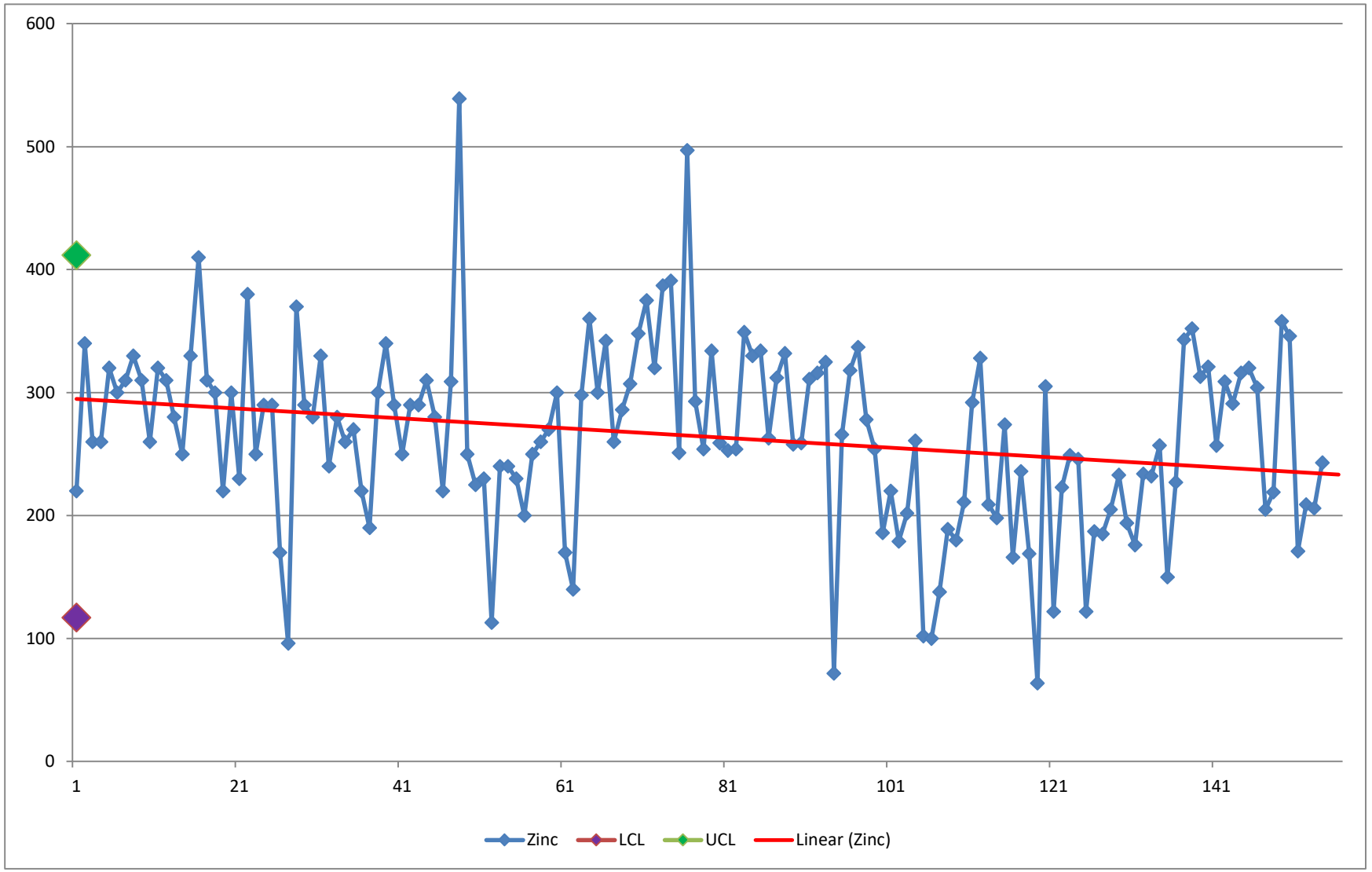
Silver Quality Control Chart



2/5/2025 8:55 AM
Compost Biosolids Metals Summary - 2024 Ag QC Chart

Central Davis Sewer District
Composted Biosolids

Zinc Quality Control Chart



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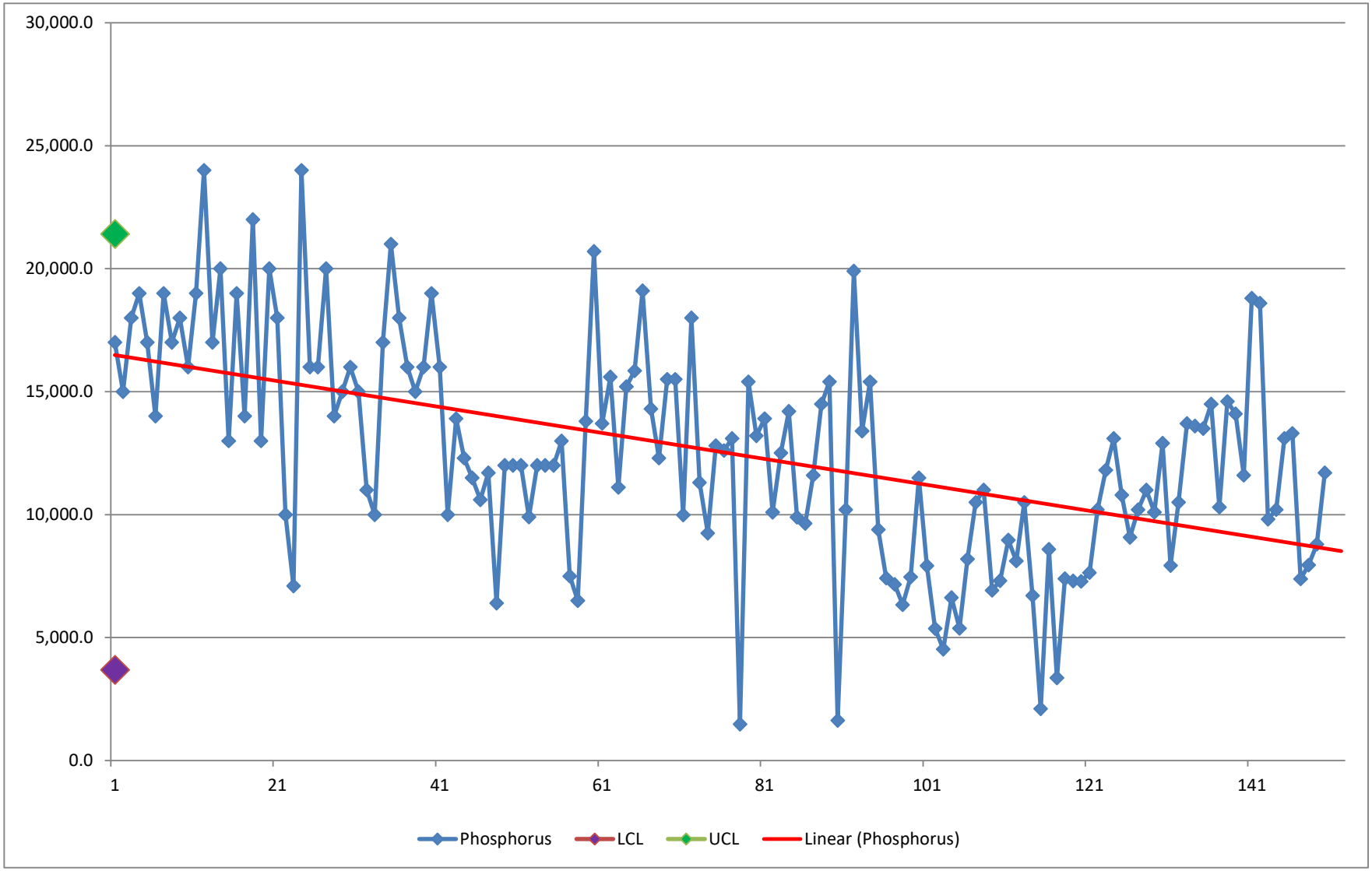
Composted Biosolids

Phosphorus Quality Control Chart



2/5/2025 8:55 AM
Compost Biosolids Metals Summary - 2024 Phos QC Chart

CHEMTECH-FORD
LABORATORIES

7/23/2024

Work Order: 24G0899
Project: Compost

Central Davis Sewer District
Attn: Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Mark Broadhead, Project Manager

Chemtech-Ford Laboratories
Serving the Intermountain West Since 1953

9632 South 500 West
Sandy, UT 84070
O:(801) 262-7299 F: (866) 792-0093
www.ChemtechFord.com

Certificate of Analysis

Central Davis Sewer District
Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

PO#:
Receipt: **7/11/24 14:10 @ 18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Sample ID: **Compost #1**

Matrix: **Solid**
Lab ID: **24G0899-01**
Date Sampled: **7/11/24 8:20**
Sampled By: **Jace,Marjot,Jake**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	1740	mg/kg	40.0	SM 4500 NH3 H	7/15/24	7/15/24	
Nitrate, Soluble	ND	mg/kg	1.00	EPA 300.0	7/22/24	7/22/24	
Nitrite, Soluble	ND	mg/kg	1.00	EPA 300.0	7/15/24	7/15/24	
Total Kjeldahl Nitrogen	21400	mg/kg	5.1	SM 4500 Norg	7/15/24	7/16/24	
Total Solids	96.5	%	0.1	CTF8000	7/12/24	7/12/24	
Total Solids	93.6	%	0.1	SM 2540G	7/12/24	7/12/24	
Total Volatile Solids	81.1	%	0.1	SM 2540 E	7/12/24	7/12/24	
Metals							
Aluminum, Total	7920	mg/kg dry	9.3	EPA 6010D/3050B	7/15/24	7/16/24	
Arsenic, Total	9.76	mg/kg dry	4.63	EPA 6010D/3050B	7/15/24	7/16/24	
Cadmium, Total	0.595	mg/kg dry	0.463	EPA 6010D/3050B	7/15/24	7/16/24	
Chromium, Total	12.1	mg/kg dry	0.463	EPA 6010D/3050B	7/15/24	7/16/24	
Copper, Total	353	mg/kg dry	0.463	EPA 6010D/3050B	7/15/24	7/16/24	
Lead, Total	18.3	mg/kg dry	4.63	EPA 6010D/3050B	7/15/24	7/16/24	
Mercury, Total	0.077	mg/kg dry	0.028	EPA 7471A	7/15/24	7/16/24	
Molybdenum, Total	3.79	mg/kg dry	0.926	EPA 6010D/3050B	7/15/24	7/16/24	
Nickel, Total	7.04	mg/kg dry	0.463	EPA 6010D/3050B	7/15/24	7/16/24	
Phosphorus, Total as P	14000	mg/kg dry	18.5	EPA 6010D/3050B	7/15/24	7/16/24	
Selenium, Total	2.59	mg/kg dry	2.78	EPA 6010D/3050B	7/15/24	7/16/24	J
Silver, Total	0.816	mg/kg dry	0.463	EPA 6010D/3050B	7/15/24	7/16/24	
Zinc, Total	479	mg/kg dry	0.926	EPA 6010D/3050B	7/15/24	7/16/24	

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Certificate of Analysis

Central Davis Sewer District
Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

PO#:
Receipt: **7/11/24 14:10 @ 18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Sample ID: **Compost #2**

Matrix: **Solid**
Lab ID: **24G0899-02**

Date Sampled: **7/11/24 8:20**
Sampled By: **Jace,Marjot,Jake**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	1230	mg/kg	40.0	SM 4500 NH3 H	7/15/24	7/15/24	
Nitrate, Soluble	548	mg/kg	10.0	EPA 300.0	7/18/24	7/18/24	
Nitrite, Soluble	ND	mg/kg	1.00	EPA 300.0	7/15/24	7/15/24	
Total Kjeldahl Nitrogen	15300	mg/kg	5.0	SM 4500 Norg	7/15/24	7/16/24	
Total Solids	59.0	%	0.1	CTF8000	7/12/24	7/12/24	
Total Solids	59.2	%	0.1	SM 2540G	7/12/24	7/12/24	
Total Volatile Solids	88.4	%	0.1	SM 2540 E	7/12/24	7/12/24	
Metals							
Aluminum, Total	6970	mg/kg dry	15.3	EPA 6010D/3050B	7/15/24	7/17/24	
Arsenic, Total	8.78	mg/kg dry	7.65	EPA 6010D/3050B	7/15/24	7/17/24	
Cadmium, Total	0.566	mg/kg dry	0.765	EPA 6010D/3050B	7/15/24	7/17/24	J
Chromium, Total	8.89	mg/kg dry	0.765	EPA 6010D/3050B	7/15/24	7/17/24	
Copper, Total	292	mg/kg dry	0.765	EPA 6010D/3050B	7/15/24	7/17/24	
Lead, Total	9.46	mg/kg dry	7.65	EPA 6010D/3050B	7/15/24	7/17/24	
Mercury, Total	0.096	mg/kg dry	0.043	EPA 7471A	7/15/24	7/16/24	
Molybdenum, Total	3.69	mg/kg dry	1.53	EPA 6010D/3050B	7/15/24	7/18/24	
Nickel, Total	6.27	mg/kg dry	0.765	EPA 6010D/3050B	7/15/24	7/17/24	
Phosphorus, Total as P	14600	mg/kg dry	30.6	EPA 6010D/3050B	7/16/24	7/19/24	
Selenium, Total	ND	mg/kg dry	4.59	EPA 6010D/3050B	7/15/24	7/17/24	
Silver, Total	ND	mg/kg dry	0.765	EPA 6010D/3050B	7/15/24	7/17/24	
Zinc, Total	349	mg/kg dry	1.53	EPA 6010D/3050B	7/15/24	7/17/24	

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Certificate of Analysis

Central Davis Sewer District
Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

PO#:
Receipt: **7/11/24 14:10 @ 18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Sample ID: **Compost #3**

Matrix: **Solid**
Lab ID: **24G0899-03**

Date Sampled: **7/11/24 8:20**
Sampled By: **Jace,Marjot,Jake**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	1380	mg/kg	40.0	SM 4500 NH3 H	7/15/24	7/15/24	
Nitrate, Soluble	374	mg/kg	10.0	EPA 300.0	7/18/24	7/18/24	
Nitrite, Soluble	2.80	mg/kg	1.00	EPA 300.0	7/15/24	7/15/24	
Total Kjeldahl Nitrogen	20500	mg/kg	5.3	SM 4500 Norg	7/15/24	7/16/24	
Total Solids	65.9	%	0.1	SM 2540G	7/12/24	7/12/24	
Total Solids	72.5	%	0.1	CTF8000	7/12/24	7/12/24	
Total Volatile Solids	88.1	%	0.1	SM 2540 E	7/12/24	7/12/24	
Metals							
Aluminum, Total	6790	mg/kg dry	13.6	EPA 6010D/3050B	7/15/24	7/16/24	
Arsenic, Total	10.0	mg/kg dry	6.78	EPA 6010D/3050B	7/15/24	7/16/24	
Cadmium, Total	0.746	mg/kg dry	0.678	EPA 6010D/3050B	7/15/24	7/16/24	
Chromium, Total	12.9	mg/kg dry	0.678	EPA 6010D/3050B	7/15/24	7/16/24	
Copper, Total	346	mg/kg dry	0.678	EPA 6010D/3050B	7/15/24	7/16/24	
Lead, Total	13.1	mg/kg dry	6.78	EPA 6010D/3050B	7/15/24	7/16/24	
Mercury, Total	0.039	mg/kg dry	0.028	EPA 7471A	7/15/24	7/16/24	
Molybdenum, Total	4.65	mg/kg dry	1.36	EPA 6010D/3050B	7/15/24	7/16/24	
Nickel, Total	7.13	mg/kg dry	0.678	EPA 6010D/3050B	7/15/24	7/16/24	
Phosphorus, Total as P	13500	mg/kg dry	2.71	EPA 6010D/3050B	7/15/24	7/16/24	
Selenium, Total	ND	mg/kg dry	4.07	EPA 6010D/3050B	7/15/24	7/16/24	
Silver, Total	0.732	mg/kg dry	0.678	EPA 6010D/3050B	7/15/24	7/16/24	
Zinc, Total	362	mg/kg dry	1.36	EPA 6010D/3050B	7/15/24	7/16/24	

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PO#:
Receipt: **7/11/24 14:10 @ 18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Sample ID: **Compost #4**

Matrix: **Solid**
Lab ID: **24G0899-04**

Date Sampled: **7/11/24 8:40**
Sampled By: **Jace,Marjot,Jake**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	1380	mg/kg	40.0	SM 4500 NH3 H	7/15/24	7/15/24	
Nitrate, Soluble	174	mg/kg	10.0	EPA 300.0	7/18/24	7/18/24	
Nitrite, Soluble	ND	mg/kg	1.00	EPA 300.0	7/15/24	7/15/24	
Total Kjeldahl Nitrogen	27000	mg/kg	5.4	SM 4500 Norg	7/15/24	7/16/24	
Total Solids	88.7	%	0.1	SM 2540G	7/12/24	7/12/24	
Total Solids	89.1	%	0.1	CTF8000	7/12/24	7/12/24	
Total Volatile Solids	88.7	%	0.1	SM 2540 E	7/12/24	7/12/24	
Metals							
Aluminum, Total	4690	mg/kg dry	9.9	EPA 6010D/3050B	7/15/24	7/16/24	
Arsenic, Total	7.16	mg/kg dry	4.95	EPA 6010D/3050B	7/15/24	7/16/24	
Cadmium, Total	0.505	mg/kg dry	0.495	EPA 6010D/3050B	7/15/24	7/16/24	
Chromium, Total	8.70	mg/kg dry	0.495	EPA 6010D/3050B	7/15/24	7/16/24	
Copper, Total	270	mg/kg dry	0.495	EPA 6010D/3050B	7/15/24	7/16/24	
Lead, Total	8.92	mg/kg dry	4.95	EPA 6010D/3050B	7/15/24	7/16/24	
Mercury, Total	0.127	mg/kg dry	0.030	EPA 7471A	7/15/24	7/16/24	
Molybdenum, Total	3.40	mg/kg dry	0.991	EPA 6010D/3050B	7/15/24	7/16/24	
Nickel, Total	5.43	mg/kg dry	0.495	EPA 6010D/3050B	7/15/24	7/16/24	
Phosphorus, Total as P	9760	mg/kg dry	1.98	EPA 6010D/3050B	7/15/24	7/16/24	
Selenium, Total	ND	mg/kg dry	2.97	EPA 6010D/3050B	7/15/24	7/16/24	
Silver, Total	0.456	mg/kg dry	0.495	EPA 6010D/3050B	7/15/24	7/16/24	J
Zinc, Total	281	mg/kg dry	0.991	EPA 6010D/3050B	7/15/24	7/16/24	

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PO#:
Receipt: **7/11/24 14:10 @ 18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Sample ID: **Compost #5**

Matrix: **Solid**
Lab ID: **24G0899-05**

Date Sampled: **7/11/24 8:40**
Sampled By: **Jace,Marjot,Jake**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	1360	mg/kg	40.0	SM 4500 NH3 H	7/15/24	7/15/24	
Nitrate, Soluble	348	mg/kg	10.0	EPA 300.0	7/18/24	7/18/24	
Nitrite, Soluble	ND	mg/kg	1.00	EPA 300.0	7/15/24	7/15/24	
Total Kjeldahl Nitrogen	23600	mg/kg	4.9	SM 4500 Norg	7/15/24	7/16/24	
Total Solids	86.6	%	0.1	SM 2540G	7/12/24	7/12/24	
Total Solids	87.2	%	0.1	CTF8000	7/12/24	7/12/24	
Total Volatile Solids	90.8	%	0.1	SM 2540 E	7/12/24	7/12/24	
Metals							
Aluminum, Total	4550	mg/kg dry	10.1	EPA 6010D/3050B	7/15/24	7/16/24	
Arsenic, Total	6.71	mg/kg dry	5.06	EPA 6010D/3050B	7/15/24	7/16/24	
Cadmium, Total	0.385	mg/kg dry	0.506	EPA 6010D/3050B	7/15/24	7/16/24	J
Chromium, Total	6.93	mg/kg dry	0.506	EPA 6010D/3050B	7/15/24	7/16/24	
Copper, Total	242	mg/kg dry	0.506	EPA 6010D/3050B	7/15/24	7/16/24	
Lead, Total	6.49	mg/kg dry	5.06	EPA 6010D/3050B	7/15/24	7/16/24	
Mercury, Total	0.067	mg/kg dry	0.029	EPA 7471A	7/15/24	7/16/24	
Molybdenum, Total	3.61	mg/kg dry	1.01	EPA 6010D/3050B	7/15/24	7/16/24	
Nickel, Total	4.70	mg/kg dry	0.506	EPA 6010D/3050B	7/15/24	7/16/24	
Phosphorus, Total as P	9220	mg/kg dry	2.02	EPA 6010D/3050B	7/15/24	7/16/24	
Selenium, Total	ND	mg/kg dry	3.04	EPA 6010D/3050B	7/15/24	7/16/24	
Silver, Total	0.476	mg/kg dry	0.506	EPA 6010D/3050B	7/15/24	7/16/24	J
Zinc, Total	258	mg/kg dry	1.01	EPA 6010D/3050B	7/15/24	7/16/24	

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PO#:
Receipt: **7/11/24 14:10** @ **18.4** °C
Date Reported: 7/23/2024
Project Name: **Compost**

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit (MRL).
1 mg/L = one milligram per liter or 1 mg/kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/kg = one nanogram per kilogram = 1 part per trillion.
On calculated parameters, there may be a slight difference between summing the rounded values shown on the report vs the unrounded values used in the calculation.

Flag Descriptions

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

CHAIN OF CUSTODY - SAMPLE SUBMITTAL FORM

COMPANY: Central Davis Sewer District
ADDRESS: 2200 S. Sunset Drive
CITY/STATE/ZIP: Kaysville, UT 84037
PHONE #: 801-451-2190
CONTACT: Jill Jones, Manjot Masson
EMAIL: jillj@cdsewer.org, lab@cdsewer.org
PROJECT: Compost
PO Number:
INVOICE EMAIL ADDRESS:

24G0899

RUSH Due Date*:

* Expedited turnaround subject to additional charge

QC Level
1 2 3 4

QC levels definition: QC1: none QC2: Batch QC, random sample
QC3: 25% surcharge. Narrative plus Batch QC, your sample selected
QC4: 40% surcharge. Add raw data

CHEMTECH-FORD LABORATORIES

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Sample condition			
	Custody Seal	✓	Correct Containers
✓	Container Intact	✓	Sufficient Sample Volume
✓	COC/Labels Agree		Headspace Present (VOC)
✓	Received on Ice		Temperature Blank
		✓	Received within Holding Time

Delivery Method			
	UPS		USPS
	FedEx	✓	Chemtech-Ford Courier
	Walk-in		Customer Courier

Lab Use Only	CLIENT SAMPLE INFORMATION				TESTS REQUESTED														
	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	See attachment Sheet												E. Coli/Coliform (Absent/Present)	E. Coli/Coliform (Enumerated)	HPC
-01	1. Compost #1	7-11-24	8:20 am	compost	✓														
-02	2. Compost #2	7-11-24	8:20 am	compost	✓														
-03	3. Compost #3	7-11-24	8:20 am	compost	✓														
-04	4. Compost #4	7-11-24	8:40 am	compost	✓														
-05	5. Compost #5	7-11-24	8:40 am	compost	✓														
	6.																		
	7.																		
	8.																		
	9.																		
	10.																		
				Bottle type	Q														
				Lot #															

Sampled by: [print] Jace, Manjot, Jake
Sampled by: [signature] Jace, Manjot, Jake

ON ICE NOT ON ICE Temp (C°): 18.4

Special Instructions:

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
	7-11-24		7-11-24
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
	7-11-24 0400	Denise Brun	7/11/24 1410
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agress to pay collection costs and attorney's fees.

2460899 (Attachment)

Chain of Custody
Metals Analysis
Central Davis Sewer District

Analysis Required (YES/NO)	Parameter	Approved Analysis Method	Requied Prep. Method	Maximum Holding Time after Preservation
✓	Aluminum	SW-6010	SW-3050	6 months
✓	Arsenic	SW-6010/7060/7061	SW-3050	6 months
✓	Cadmium	SW-6010/7130/7131	SW-3050	6 months
✓	Chromium	SW-6010/7190/71911	SW-3050	6 months
✓	Copper	SW-6010/7210	SW-3050	6 months
✓	Lead	SW-6010/7420/7421	SW-7471	6 months
✓	Mercury	SW-7471	SW-3050	28 days
✓	Molybdenum	SW-6010/7480/7481	SW-3050	6 months
✓	Nickel	SW-6010/7520	SW-3050	6 months
✓	Selenium	SW-6010/7740/7741	SW-3050	6 months
✓	Silver	SW-6010	SW-3050	6 months
✓	Zinc	SW-6010/7950	SW-3050	6 months
✓	Total, Fixed & Volatile Solids	SM-2540	N/A	7 days
	pH	SW-9045	N/A	Immediately
	Total Volatile Acids	SM-5560	N/A	7 days
✓	Total Phosphorus	SM-1500-P	4500-PB	28 days
✓	Total Ammonia	SM-4500-NH_3	N/A	28 days
	Conductivity	SW-9050	N/A	28 days
✓	Nitrite+ Nitrate	SM-4500-NO2/4500_NO3 SW-846 Method 9200	N/A	28 days 28 days
✓	TKN or Organic N	SM-4500-N org	N/A	28 days
✓	Total Solids	SM-2540 G	N/A	7 days

Sample Date 7-11-24
# of Samples 5
Sample Location Compost Beds
Samples Collected By: Jace, Jake, Manjot

NPDES: #UT-0020974
Sample Quantity Quart Bags
Composite/Grab

Sample ID	Date and Time Collected
Compost #1	8:20 am 7-11-24
Compost #2	8:20 am 7-11-24
Compost #3	8:20 am 7-11-24
Compost #4	8:40 am 7-11-24
Compost #5	8:40 am 7-11-24

Date and Time: 7-11-24
Reliquished By:
Date and Time:
Received By:

Facility Name: Central Davis Sewer District
Address: 2200 South Sunset Drive, Kaysville UT 84037
Contact: Jill S. Jones/Manjot K. Masson
Phone # 801-451-2190

Note: The laboratory report must include all metal analysis results in dry weight basis(do not include TKN, Nitrates or Ammonia), analyst identification, laboratory supervisor name and signature, a laboratory certification statement (if applicable), and the chain of custody form(s). Also, the laboratory must utilize appropriate QA/QC methodology as found in method reference source document (i.e., Standard Methods or SW-846) depending on the analysis preformed.

CHEMTECH-FORD
LABORATORIES

10/7/2024

Work Order: 24I2323
Project: Compost

Central Davis Sewer District
Attn: Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Mark Broadhead, Project Manager

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Jill Jones
2200 South Sunset Drive
Kaysville, UT 84037

PO#:
Receipt: **9/26/24 14:05 @ 21.0** °C
Date Reported: 10/7/2024
Project Name: **Compost**

Sample ID: **Compost #6**

Matrix: **Solid** Sample Type: **Grab** Lab ID: **24I2323-01**

Date Sampled: **9/26/24 10:10** Sampled By: **Marjot Kaur**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Ammonia (Soluble) as N	461	mg/kg	20.0	SM 4500 NH3 H	10/2/24	10/3/24	
Nitrate, Soluble	75.9	mg/kg	1.00	EPA 300.0	9/30/24	9/30/24	
Nitrite, Soluble	3.09	mg/kg	1.00	EPA 300.0	9/30/24	9/30/24	
Total Kjeldahl Nitrogen	10700	mg/kg	5.2	SM 4500 Norg	9/30/24	10/2/24	
Total Solids	79.1	%	0.1	CTF8000	9/30/24	9/30/24	
Total Solids	79.1	%	0.1	SM 2540G	10/2/24	10/2/24	
Total Volatile Solids	88.7	%	0.1	SM 2540 E	10/2/24	10/2/24	
Metals							
Aluminum, Total	6080	mg/kg dry	2.9	EPA 6010D/3050B	10/1/24	10/3/24	
Arsenic, Total	3.47	mg/kg dry	1.44	EPA 6010D/3050B	10/1/24	10/3/24	
Cadmium, Total	0.130	mg/kg dry	0.144	EPA 6010D/3050B	10/1/24	10/3/24	J
Chromium, Total	3.07	mg/kg dry	0.144	EPA 6010D/3050B	10/1/24	10/3/24	
Copper, Total	110	mg/kg dry	0.144	EPA 6010D/3050B	10/1/24	10/3/24	
Lead, Total	3.22	mg/kg dry	1.44	EPA 6010D/3050B	10/1/24	10/3/24	
Mercury, Total	0.158	mg/kg dry	0.035	EPA 7471A	9/30/24	10/1/24	
Molybdenum, Total	1.40	mg/kg dry	0.289	EPA 6010D/3050B	10/1/24	10/3/24	
Nickel, Total	1.62	mg/kg dry	0.144	EPA 6010D/3050B	10/1/24	10/3/24	
Phosphorus, Total as P	4690	mg/kg dry	116	EPA 6010D/3050B	10/1/24	10/3/24	
Selenium, Total	0.913	mg/kg dry	0.867	EPA 6010D/3050B	10/1/24	10/3/24	
Silver, Total	0.205	mg/kg dry	0.144	EPA 6010D/3050B	10/1/24	10/3/24	
Zinc, Total	126	mg/kg dry	0.289	EPA 6010D/3050B	10/1/24	10/3/24	

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PO#:
Receipt: **9/26/24 14:05 @ 21.0** °C
Date Reported: 10/7/2024
Project Name: **Compost**

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit (MRL).
1 mg/L = one milligram per liter or 1 mg/kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/kg = one nanogram per kilogram = 1 part per trillion.
On calculated parameters, there may be a slight difference between summing the rounded values shown on the report vs the unrounded values used in the calculation.

Flag Descriptions

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

CHAIN OF CUSTODY - SAMPLE SUBMITTAL FORM

COMPANY: Central Davis Sewer District
ADDRESS: 2200 S. Sunset Drive
CITY/STATE/ZIP: Kaysville, UT 84037
PHONE #: 801-451-2190
CONTACT: Jill Jones, Manjot Masson
EMAIL: jillj@cdsewer.org, lab@cdsewer.org
PROJECT: Compost
PO Number:
INVOICE EMAIL ADDRESS:

24T2323

RUSH Due Date*:

* Expedited turnaround subject to additional charge

QC Level
1 2 3 4

QC levels definition: QC1: none QC2: Batch QC, random sample
QC3: 25% surcharge. Narrative plus Batch QC, your sample selected
QC4: 40% surcharge. Add raw data

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Sample condition			
	Custody Seal	✓	Correct Containers
✓	Container Intact	✓	Sufficient Sample Volume
✓	COC/Labels Agree		Headspace Present (VOC)
✓	Received on Ice	✓	Temperature Blank
		✓	Received within Holding Time

Delivery Method			
	UPS		USPS
	FedEx	✓	Chemtech-Ford Courier
	Walk-in		Customer Courier

Lab Use Only	CLIENT SAMPLE INFORMATION				TESTS REQUESTED														
	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	See attachment sheet												E. Coli/Coliform (Absent/Present)	E. Coli/Coliform (Enumerated)	HPC
-01	1. Compost #6	9-26-24	10:10am	compost	✓														
	2.																		
	3.																		
	4.																		
	5.																		
	6.																		
	7.																		
	8.																		
	9.																		
	10.																		
				Bottle type	Q														
				Lot #															

Sampled by: [print] Manjot
Sampled by: [signature] Manjot

ON ICE NOT ON ICE Temp (C°): 2.0

Special Instructions:

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
	9-26-24 1125		9-26-24 11:25
	9-26-24 1405	Denise Brun	9/26/24 1405

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agress to pay collection costs and attorney's fees.

2472323 (Attachment)

Chain of Custody
Metals Analysis
Central Davis Sewer District

Analysis Required (YES/NO)	Parameter	Approved Analysis Method	Requied Prep. Method	Maximum Holding Time after Preservation
✓	Aluminum	SW-6010	SW-3050	6 months
✓	Arsenic	SW-6010/7060/7061	SW-3050	6 months
✓	Cadmium	SW-6010/7130/7131	SW-3050	6 months
✓	Chromium	SW-6010/7190/71911	SW-3050	6 months
✓	Copper	SW-6010/7210	SW-3050	6 months
✓	Lead	SW-6010/7420/7421	SW-7471	6 months
✓	Mercury	SW-7471	SW-3050	28 days
✓	Molybdenum	SW-6010/7480/7481	SW-3050	6 months
✓	Nickel	SW-6010/7520	SW-3050	6 months
✓	Selenium	SW-6010/7740/7741	SW-3050	6 months
✓	Silver	SW-6010	SW-3050	6 months
✓	Zinc	SW-6010/7950	SW-3050	6 months
✓	Total, Fixed & Volatile Solids	SM-2540	N/A	7 days
	pH	SW-9045	N/A	Immediately
	Total Volatile Acids	SM-5560	N/A	7 days
✓	Total Phosphorus	SM-1500-P	4500-PB	28 days
✓	Total Ammonia	SM-4500-NH_3	N/A	28 days
	Conductivity	SW-9050	N/A	28 days
✓	Nitrite+ Nitrate	SM-4500-NO2/4500_NO3 SW-846 Method 9200	N/A	28 days 28 days
✓	TKN or Organic N	SM-4500-N org	N/A	28 days
✓	Total Solids	SM-2540 G	N/A	7 days

Sample Date 9-26-24
# of Samples 1
Sample Location Compost Beds
Samples Collected By: Manjot

NPDES: #UT-0020974
Sample Quantity 1
Composite/Grab

Sample ID	Date and Time Collected
Compost #6	9-26-24 10:10 am

Date and Time: 9-26-24
Reliquished By:
Date and Time: 9/26/24 11 25
Received By:

Facility Name: Central Davis Sewer District
Address: 2200 South Sunset Drive, Kaysville UT 84037
Contact: Jill S. Jones/Manjot K. Masson
Phone # 801-451-2190

Note: The laboratory report must include all metal analysis results in dry weight basis(do not include TKN, Nitrates or Ammonia), analyst identification, laboratory supervisor name and signature, a laboratory certification statement (if applicable), and the chain of custody form(s). Also, the laboratory must utilize appropriate QA/QC methodology as found in method reference source document (i.e., Standard Methods or SW-846) depending on the analysis preformed.

Pathogen Reduction Compliance Documentation

1. 2025 Digester Temperatures
2. 2025 Digester HRT Calculations
3. Class A Compost Testing- Salmonella
4. Class A Time, Temperature and Turning

Central Davis Sewer District
Anaerobic Biosolids Digestion Temperatures - 2024

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
Day	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
1	101	101	100	101	100	101	99	101	100	100	102	102	100	100	101	101	102	101	102	100	101	100	101	106
2	99	100	99	100	100	101	100	102	102	100	102	102	101	100	102	102	101	101	101	101	101	101	100	102
3	101	101	100	101	101	102	101	102	100	99	100	101	102	101	102	101	101	99	100	100	100	102	100	103
4	98	100	101	101	101	101	100	101	102	101	102	100	101	100	101	101	100	99	101	101	100	101	103	102
5	99	100	102	103	101	102	100	102	101	100	101	101	101	100	102	102	99	99	101	100	101	100	101	101
6	104	102	102	101	100	102	102	101	100	101	102	102	102	100	101	100	100	99	104	101	100	100	101	105
7	105	101	100	100	100	101	101	101	100	100	101	102	101	101	102	100	99	99	101	100	99	101	100	103
8	104	101	102	102	101	102	100	101	99	101	102	100	103	101	102	100	99	99	102	101	100	100	101	104
9	102	101	100	101	102	102	100	102	103	102	101	100	102	100	101	100	99	99	100	100	103	101	101	102
10	102	103	102	101	102	102	101	101	102	100	101	100	100	99	100	102	101	99	101	101	104	100	100	101
11	102	101	102	102	100	101	100	101	101	101	102	100	102	100	100	101	102	98	101	100	102	101	100	101
12	104	101	100	101	100	101	101	101	101	102	102	101	101	100	100	100	101	99	101	101	101	100	102	101
13	102	102	101	102	100	102	101	101	100	101	101	100	101	101	102	100	100	100	103	100	99	98	101	101
14	100	101	101	101	101	102	101	101	101	100	100	101	101	101	101	100	100	100	102	101	100	100	101	101
15	100	101	100	101	100	101	104	100	101	100	102	100	101	101	101	99	101	101	101	100	102	97	100	100
16	100	101	101	101	100	100	101	100	101	101	102	101	101	100	102	100	100	100	100	101	104	97	100	101
17	103	101	101	101	101	102	99	101	101	101	100	100	101	100	100	99	101	100	100	100	103	100	101	101
18	100	101	103	99	102	101	101	102	101	101	100	101	101	100	102	101	101	100	102	101	100	98	104	101
19	101	100	103	100	101	102	100	101	100	100	101	100	101	100	101	101	100	100	100	100	100	100	101	101
20	102	102	100	100	102	102	102	104	99	100	100	100	100	100	100	100	99	100	100	101	100	99	100	100
21	102	101	100	100	101	101	102	102	101	101	100	100	101	101	100	99	102	100	102	100	100	100	102	102
22	100	101	103	103	101	101	100	101	100	101	100	99	100	101	101	100	101	100	104	101	100	100	102	102
23	98	100	101	102	101	101	100	101	100	100	102	100	102	100	102	99	101	100	101	100	102	100	100	100
24	100	101	102	102	101	101	101	101	102	101	103	99	101	101	102	102	102	100	100	101	102	101	100	100
25	98	101	102	102	101	102	99	100	100	100	101	100	100	100	100	102	103	100	104	100	104	102	100	100
26	99	101	101	102	100	101	100	101	100	100	100	100	100	100	99	103	104	101	102	101	102	102	100	100
27	100	104	102	101	101	101	100	101	102	102	102	99	101	100	100	101	100	101	100	100	100	101	100	100
28	99	103	102	101	99	100	100	100	101	101	101	99	100	99	99	101	101	100	100	101	99	103	100	100
29	99	100	101	102	100	101	99	103	101	101	100	101	100	100	99	101	104	101	101	101	102	105	100	100
30	101	100			102	101	99	102	100	101	101	100	101	100	100	101	102	100	103	100	103	105	101	101
31	102	101			101	100			102	102			101	100	100	101			101	101				
Average	101	101	101	101	101	101	100	101	101	101	101	100	101	100	101	101	101	100	101	101	101	101	101	101
Deg C	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	39	38	38	38	38	39
Note:	The Primary Digester #2 was down for cleaning from Septmeber 24-November 12, the temp values are estimated for this t																							

https://d.docs.live.net/98ae734ac05258f0/BIOSOLIDS Files/Biosolids - Consolidated Data/Biosolids Report - Calendar Year 2024/6. Pathogen Reduction/Digester HRT and Temps/Digester Temperatures - 2024

Central Davis Sewer District
Digester HRT Calculations

DATES
12/24/2023 - 1/16/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		4	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		96.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		18,360	gal/day

Primary Digester HRT

Hydraulic Residence 27.7 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 11.3 Days

Total Digester HRT 39.1 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
1/16/2024 - 2/8/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3.5	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		84.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		17,280	gal/day

Primary Digester HRT

Hydraulic Residence 29.5 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 12.0 Days

Total Digester HRT 41.5 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
2/8/2024 - 2/27/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		2.5	min
	Per	60	min
Pump 2 time		4	min
	Per	60	min
Total Pump 1 per day		60.00	min/day
Total Pump 2 per day		96.00	min/day
Total Pump Volume		14,040	gal/day

Primary Digester HRT

Hydraulic Residence	**36.3**	**Days**

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons
Hydraulic Residence	**14.8**	**Days**

Total Digester HRT	**51.1**	**Days**

Central Davis Sewer District
Digester HRT Calculations

DATES
2/27/2024 - 3/17/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		2.5	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		60.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		15,120	gal/day

Primary Digester HRT

Hydraulic Residence 33.7 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 13.8 Days

Total Digester HRT 47.4 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
3/17/2024 - 3/20/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3	min
	Per	60	min
Pump 2 time		4	min
	Per	60	min
Total Pump 1 per day		72.00	min/day
Total Pump 2 per day		96.00	min/day
Total Pump Volume		15,120	gal/day

Primary Digester HRT

Hydraulic Residence 33.7 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 13.8 Days

Total Digester HRT 47.4 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
3/20/2024 - 4/18/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		4	min
	Per	60	min
Pump 2 time		5.5	min
	Per	60	min
Total Pump 1 per day		96.00	min/day
Total Pump 2 per day		132.00	min/day
Total Pump Volume		20,520	gal/day

Primary Digester HRT

Hydraulic Residence 24.8 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 10.1 Days

Total Digester HRT 34.9 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
4/18/2024 - 5/6/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		4	min
	Per	60	min
Pump 2 time		5.5	min
	Per	60	min
Total Pump 1 per day		96.00	min/day
Total Pump 2 per day		132.00	min/day
Total Pump Volume		20,520	gal/day

Primary Digester HRT

Hydraulic Residence 24.8 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 10.1 Days

Total Digester HRT 34.9 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
5/6/2024 - 5/20/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		4	min
	Per	60	min
Pump 2 time		5	min
	Per	60	min
Total Pump 1 per day		96.00	min/day
Total Pump 2 per day		120.00	min/day
Total Pump Volume		19,440	gal/day

Primary Digester HRT

Hydraulic Residence 26.2 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 10.7 Days

Total Digester HRT 36.9 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
5/20/2024 - 6/23/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3.5	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		84.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		17,280	gal/day

Primary Digester HRT

Hydraulic Residence 29.5 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 12.0 Days

Total Digester HRT 41.5 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
6/23/2024 - 7/16/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		4.5	min
	Per	60	min
Pump 2 time		5.5	min
	Per	60	min
Total Pump 1 per day		108.00	min/day
Total Pump 2 per day		132.00	min/day
Total Pump Volume		21,600	gal/day

Primary Digester HRT

Hydraulic Residence 23.6 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 9.6 Days

Total Digester HRT 33.2 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
7/16/2024 - 8/29/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3.5	min
	Per	60	min
Pump 2 time		5	min
	Per	60	min
Total Pump 1 per day		84.00	min/day
Total Pump 2 per day		120.00	min/day
Total Pump Volume		18,360	gal/day

Primary Digester HRT

Hydraulic Residence 27.7 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 11.3 Days

Total Digester HRT 39.1 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
8/29/2024 - 9/9/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3.5	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		84.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		17,280	gal/day

Primary Digester HRT

Hydraulic Residence 29.5 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 12.0 Days

Total Digester HRT 41.5 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
9/9/2024 - 10/15/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	-	ft cubed
Total Volume	27,800	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	207,944	gallons
Dead Storage - 1 foot	4%	
Active Storage	199,626	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3	min
	Per	60	min
Pump 2 time		3	min
	Per	60	min
Total Pump 1 per day		72.00	min/day
Total Pump 2 per day		72.00	min/day
Total Pump Volume		12,960	gal/day

Primary Digester HRT

Hydraulic Residence 15.4 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 16.0 Days

Total Digester HRT 31.4 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
10/15/2024 - 11/13/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	-	ft cubed
Total Volume	27,800	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	207,944	gallons
Dead Storage - 1 foot	4%	
Active Storage	199,626	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		2.5	min
	Per	60	min
Pump 2 time		3.5	min
	Per	60	min
Total Pump 1 per day		60.00	min/day
Total Pump 2 per day		84.00	min/day
Total Pump Volume		12,960	gal/day

Primary Digester HRT

Hydraulic Residence 15.4 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 16.0 Days

Total Digester HRT 31.4 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
11/13/2024 - 12/11/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3	min
	Per	60	min
Pump 2 time		4	min
	Per	60	min
Total Pump 1 per day		72.00	min/day
Total Pump 2 per day		96.00	min/day
Total Pump Volume		15,120	gal/day

Primary Digester HRT

Hydraulic Residence 33.7 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 13.8 Days

Total Digester HRT 47.4 Days

Central Davis Sewer District
Digester HRT Calculations

DATES
12/11/2024 - 12/26/2024

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3.5	min
	Per	60	min
Pump 2 time		4.5	min
	Per	60	min
Total Pump 1 per day		84.00	min/day
Total Pump 2 per day		108.00	min/day
Total Pump Volume		17,280	gal/day

Primary Digester HRT

Hydraulic Residence 29.5 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 12.0 Days

Total Digester HRT 41.5 Days

Central Davis Sewer District
Digester HRT Calculations

DATES

12/26/2024 - Present

Central Davis Sewer District Digesters HRT's are calculated as if there is no supernating. The District does supernate so actual HRT's are longer than calculated.

Primary Digesters - Heated and Mixed - Active Volume

Digester 1	27,800	ft cubed
Digester 2	43,100	ft cubed
Total Volume	70,900	ft cubed
Gallons Conversion	7.48	gal/ft cubed
Storage Volume	530,332	gallons
Dead Storage - 1 foot	4%	
Active Storage	509,119	gallons

Daily Pumping Rate - Plunger Pumps

Pump Rate 1		90	gpm
Pump Rate 2		90	gpm
Pump 1 time		3	min
	Per	60	min
Pump 2 time		6	min
	Per	60	min
Total Pump 1 per day		72.00	min/day
Total Pump 2 per day		144.00	min/day
Total Pump Volume		19,440	gal/day

Primary Digester HRT

Hydraulic Residence 26.2 Days

Secondary Digester HRT - Unheated

Active Storage	207,944	gallons

Hydraulic Residence 10.7 Days

Total Digester HRT 36.9 Days

Salmonella Testing Summary 2024

Date	Test #	Salmonella	Total Solids	Date	Test #	Salmonella	Total Solids	Date	Test #	Salmonella	Total Solids
7/11/24	Sample 1	1.70	71.4	7/11/24	Sample 1	1.70	70.2	7/11/24	Sample 1	1.70	69.9
	Sample 2	1.70	71.0		Sample 2	1.70	72.0		Sample 2	1.70	69.7
	Sample 3	1.70	70.0		Sample 3	1.70	70.1		Sample 3	1.70	71.5
	Sample 4	1.70	69.1		Sample 4	1.70	70.6		Sample 4	1.70	70.2
	Sample 5	1.70	70.1		Sample 5	1.70	69.9		Sample 5	1.70	70.9
	Sample 6	1.70	69.4		Sample 6	1.70	69.5		Sample 6	1.70	69.0
	Sample 7	1.70	70.1		Sample 7	1.70	70.2		Sample 7	1.70	70.4
Minimum		**1.70**	**69.1**	**Minimum**		**1.70**	**69.5**	**Minimum**		**1.70**	**69.0**
Average		**1.70**	**70.2**	**Average**		**1.70**	**70.4**	**Average**		**1.70**	**70.2**
Maximum		**1.70**	**71.4**	**Maximum**		**1.70**	**72.0**	**Maximum**		**1.70**	**71.5**

Date	Test #	Salmonella	Total Solids	Date	Test #	Salmonella	Total Solids	Date	Test #	Salmonella	Total Solids
7/11/24	Sample 1	1.70	71.1	7/11/24	Sample 1	1.70	69.8	9/26/24	Sample 1	1.80	67.7
	Sample 2	1.70	70.2		Sample 2	1.70	70.1		Sample 2	1.70	72.2
	Sample 3	1.70	70.1		Sample 3	1.70	70.6		Sample 3	1.70	68.7
	Sample 4	1.70	70.2		Sample 4	1.70	69.2		Sample 4	1.90	63.4
	Sample 5	1.70	70.5		Sample 5	1.70	69.9		Sample 5	1.70	69.0
	Sample 6	1.70	70.3		Sample 6	1.70	70.2		Sample 6	1.90	62.9
	Sample 7	1.70	71.0		Sample 7	1.70	70.0		Sample 7	1.70	71.2
Minimum		**1.70**	**70.1**	**Minimum**		**1.70**	**69.2**	**Minimum**		**1.70**	**62.9**
Average		**1.70**	**70.5**	**Average**		**1.70**	**70.0**	**Average**		**1.77**	**67.9**
Maximum		**1.70**	**71.1**	**Maximum**		**1.70**	**70.6**	**Maximum**		**1.90**	**72.2**

All Salmonella tests are less than the values shown above

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JW Received 7/11/2024 10:26

Sample ID **4396.16738 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-26							*Completed* 13-Jul-24	12:00

Sample ID **4396.16739 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024.01-47							*Completed* 13-Jul-24	12:00

Sample ID **4396.16740 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-84A							*Completed* 13-Jul-24	12:00

Sample ID **4396.16741 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-78							*Completed* 13-Jul-24	12:00

Sample ID **4396.16742 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-84B							*Completed* 13-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

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Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JW Received 7/11/2024 10:26

Sample ID **4396.16743 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-73							*Completed* 13-Jul-24	12:00

Sample ID **4396.16744 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-01-65							*Completed* 13-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134
All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: JW Received 10:26 7/11/2024

Sample ID **4396.16738 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**71.43**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-26						*Completed*	12-Jul-24	12:00

Sample ID **4396.16739 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.96**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024.01-47						*Completed*	12-Jul-24	12:00

Sample ID **4396.16740 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.01**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-84A						*Completed*	12-Jul-24	12:00

Sample ID **4396.16741 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.13**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-78						*Completed*	12-Jul-24	12:00

Sample ID **4396.16742 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.10**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-84B						*Completed*	12-Jul-24	12:00

Sample ID **4396.16743 COMPOST** *Receiving Tem* °C
Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.41**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-73						*Completed*	12-Jul-24	12:00

Sheril D Burton

Richards Industrial Microbiology Laboratory, Inc.

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134

All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: JW Received 10:26 7/11/2024

Sample ID **4396.16744 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.12**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-01-65						*Completed*	12-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc.

CENTRAL DAVIS SEWER DISTRICT
2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

43960

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-01-26 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-47 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-84A SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-78 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-84B SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-73 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X
2024-01-65 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:20 AM	Compost								X

RELINQUISHED BY: JH — DATE 7-11-24 — TIME 10-26 — TOTAL NUMBER OF SAMPLES 7

RECEIVED BY: [illegible] — DATE 7-11-24 — TIME 10-26

24 JUL 11 10:49

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

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Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JP Received 7/11/2024 10:26

Sample ID **4397.16745 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-26							*Completed* 13-Jul-24	12:00

Sample ID **4397.16746 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-21							*Completed* 13-Jul-24	12:00

Sample ID **4397.16747 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-94							*Completed* 13-Jul-24	12:00

Sample ID **4397.16748 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-60							*Completed* 13-Jul-24	12:00

Sample ID **4397.16749 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-63							*Completed* 13-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES
OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JP Received 7/11/2024 10:26

Sample ID **4397.16750 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-50							*Completed* 13-Jul-24	12:00

Sample ID **4397.16751 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-02-99							*Completed* 13-Jul-24	12:00

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RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134

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CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

Phone: 801 451-2190
Fax: (801) 451-6836

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JP Received 10:26 7/11/2024

Sample ID **4397.16745 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.23**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-26						*Completed*	12-Jul-24	12:00

Sample ID **4397.16746 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**71.96**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-21						*Completed*	12-Jul-24	12:00

Sample ID **4397.16747 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.13**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-94						*Completed*	12-Jul-24	12:00

Sample ID **4397.16748 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.58**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-60						*Completed*	12-Jul-24	12:00

Sample ID **4397.16749 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.91**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-63						*Completed*	12-Jul-24	12:00

Sample ID **4397.16750 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.47**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-50						*Completed*	12-Jul-24	12:00

Cheryl D Burton

Richards Industrial Microbiology Laboratory, Inc.

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134
All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: JP Received 10:26 7/11/2024

Sample ID **4397.16751 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	**Sample**	**Date:**	**Time**
AR	**Total Solids**	**70.21**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-02-99						*Completed*	12-Jul-24	12:00

Thirl A Burton

Richards Industrial Microbiology Laboratory, Inc.

CENTRAL DAVIS SEWER DISTRICT
2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

4397

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-02-26 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-21 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-94 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-60 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-63 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-50 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X
2024-02-99 SAMPLED BY: Jake Poulson	Grab	7/11/2024	8:20 AM	Compost								X

RELINQUISHED BY: _____ DATE 7-11-24 TIME 10:26

RECEIVED BY: _____ DATE 7-11-24 TIME 10:26

TOTAL NUMBER OF SAMPLES 7

'24 JUL 11 10:45AM

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: MM Received 7/11/2024 10:26

Sample ID **4398.16752 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-81							*Completed* 13-Jul-24	12:00

Sample ID **4398.16753 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-64							*Completed* 13-Jul-24	12:00

Sample ID **4398.16754 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-03							*Completed* 13-Jul-24	12:00

Sample ID **4398.16755 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-06							*Completed* 13-Jul-24	12:00

Sample ID **4398.16756 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-35							*Completed* 13-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

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KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: MM Received 7/11/2024 10:26

Sample ID **4398.16757 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-08							*Completed* 13-Jul-24	12:00

Sample ID **4398.16758 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-03-85							*Completed* 13-Jul-24	12:00

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45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134

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KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 10:26 7/11/2024

Sample ID **4398.16752 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.93**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-81						*Completed*	12-Jul-24	12:00

Sample ID **4398.16753 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.72**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-64						*Completed*	12-Jul-24	12:00

Sample ID **4398.16754 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**71.45**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-03						*Completed*	12-Jul-24	12:00

Sample ID **4398.16755 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.21**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-06						*Completed*	12-Jul-24	12:00

Sample ID **4398.16756 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.94**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-35						*Completed*	12-Jul-24	12:00

Sample ID **4398.16757 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.02**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-08						*Completed*	12-Jul-24	12:00

Thad D. Burton

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KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 10:26 7/11/2024

Sample ID **4398.16758 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:20

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	**Sample**	**Date:**	**Time**
AR	**Total Solids**	**70.43**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-03-85						*Completed*	12-Jul-24	12:00

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2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

4398

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-03-81 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-64 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-03 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-06 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-35 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-08 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X
2024-03-85 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:20 AM	Compost								X

		DATE	TIME	TOTAL NUMBER OF SAMPLES
RELINQUISHED BY:	JH	7-11-24	7-11-24	
RECEIVED BY:		7-11-24	10:26	7

24 JUL 11 10:49

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KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: JW Received 7/11/2024 10:26

Sample ID **4399.16759 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-22							*Completed* 13-Jul-24	12:00

Sample ID **4399.16760 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-05							*Completed* 13-Jul-24	12:00

Sample ID **4399.16761 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-12							*Completed* 13-Jul-24	12:00

Sample ID **4399.16762 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-69							*Completed* 13-Jul-24	12:00

Sample ID **4399.16763 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-11							*Completed* 13-Jul-24	12:00

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SAMPLE SITE: Sampler: JW Received 7/11/2024 10:26

Sample ID **4399.16764 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-73							*Completed* 13-Jul-24	12:00

Sample ID **4399.16765 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-04-28							*Completed* 13-Jul-24	12:00

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Fax: (801) 451-6836

SAMPLE SITE: Sampler: JW Received 10:26 7/11/2024

Sample ID **4399.16759 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**71.09**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-22						*Completed*	12-Jul-24	12:00

Sample ID **4399.16760 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.22**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-05						*Completed*	12-Jul-24	12:00

Sample ID **4399.16761 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.06**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-12						*Completed*	12-Jul-24	12:00

Sample ID **4399.16762 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.23**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-69						*Completed*	12-Jul-24	12:00

Sample ID **4399.16763 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.49**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-11						*Completed*	12-Jul-24	12:00

Sample ID **4399.16764 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.28**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-73						*Completed*	12-Jul-24	12:00

Cheryl D Burton

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Fax: (801) 451-6836

SAMPLE SITE: Sampler: JW Received 10:26 7/11/2024

Sample ID **4399.16765 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	**Sample**	**Date:**	**Time**
AR	**Total Solids**	**70.97**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-04-28						*Completed*	12-Jul-24	12:00

Thirl A Burton

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2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

4399

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-04-22 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-05 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-12 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-69 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-11 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-73 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X
2024-04-28 SAMPLED BY: Jace Woodrow	Grab	7/11/2024	8:40 AM	Compost								X

RELINQUISHED BY: JP DATE 7-11-24 TIME 10:26 TOTAL NUMBER OF SAMPLES 7

RECEIVED BY: MR 7-11-24 10:26

'24 JUL 11 10:49

RICHARDS LABORATORIES OF UTAH

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SAMPLE SITE: Sampler: MM Received 7/11/2024 10:26

Sample ID **4400.16766 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-15							*Completed* 13-Jul-24	12:00

Sample ID **4400.16767 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-60							*Completed* 13-Jul-24	12:00

Sample ID **4400.16768 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-44							*Completed* 13-Jul-24	12:00

Sample ID **4400.16769 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-54							*Completed* 13-Jul-24	12:00

Sample ID **4400.16770 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-04							*Completed* 13-Jul-24	12:00

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SAMPLE SITE: Sampler: MM Received 7/11/2024 10:26

Sample ID **4400.16771 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-36							*Completed* 13-Jul-24	12:00

Sample ID **4400.16772 COMPOST** *Receiving Temp* °C

Date and Time Sample 7/11/2024 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 11-Jul-24	10:49
							Analysis 13-Jul-24	12:00
2024-05-17							*Completed* 13-Jul-24	12:00

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KAYSVILLE, UT 84037

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Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 10:26 7/11/2024

Sample ID **4400.16766 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AE	**Total Solids**	**69.84**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-15						*Completed*	12-Jul-24	12:00

Sample ID **4400.16767 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.12**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-60						*Completed*	12-Jul-24	12:00

Sample ID **4400.16768 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.57**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-44						*Completed*	12-Jul-24	12:00

Sample ID **4400.16769 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.21**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-54						*Completed*	12-Jul-24	12:00

Sample ID **4400.16770 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**69.91**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-04						*Completed*	12-Jul-24	12:00

Sample ID **4400.16771 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	Sample	Date:	Time
AR	**Total Solids**	**70.23**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-36						*Completed*	12-Jul-24	12:00

Cheryl D Burton

Richards Industrial Microbiology Laboratory, Inc.

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134
All samples tested according to NELAP requirements

Date Report Printed *Monday, July 15, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 10:26 7/11/2024

Sample ID **4400.16772 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 11-Jul-24 8:40

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	**Sample**	**Date:**	**Time**
AR	**Total Solids**	**70.00**	%	1 %	EPA 160.3	*Preparation*	11-Jul-24	10:49
						Analysis	12-Jul-24	12:00
2024-05-17						*Completed*	12-Jul-24	12:00

Richards Industrial Microbiology Laboratory, Inc.

CENTRAL DAVIS SEWER DISTRICT
2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

4400

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-05-15 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-60 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-44 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-54 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-04 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-36 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X
2024-05-17 SAMPLED BY: Manjot Masson	Grab	7/11/2024	8:40 AM	Compost								X

RELINQUISHED BY: JH DATE 7-11-24 TIME 10:26

RECEIVED BY: MM 7-11-24 10:26

TOTAL NUMBER OF SAMPLES 7

'24 JUL 11 10:49AM

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

All samples tested according to NELAP requirements

Date Report Printed *Monday, September 30, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: MM Received 9/26/2024 11:44

Sample ID **4828.18272 COMPOST** *Receiving Temp* °C

Date and Time Sample 9/26/2024 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.8	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-81							*Completed* 28-Sep-24	13:30

Sample ID **4828.18273 COMPOST** *Receiving Temp* °C

Date and Time Sample 9/26/2024 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-51							*Completed* 28-Sep-24	13:30

Sample ID **4828.18274 COMPOST** *Receiving Temp* °C

Date and Time Sample 9/26/2024 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-92							*Completed* 28-Sep-24	13:30

Sample ID **4828.18275 COMPOST** *Receiving Temp* °C

Date and Time Sample 9/26/2024 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.9	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-28							*Completed* 28-Sep-24	13:30

Sample ID **4828.18276 COMPOST** *Receiving Temp* °C

Date and Time Sample 9/26/2024 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	<1.7	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-70							*Completed* 28-Sep-24	13:30

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 830-9158

All samples tested according to NELAP requirements

Date Report Printed *Monday, September 30, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

SAMPLE SITE: Sampler: MM Received 9/26/2024 11:44

Sample ID	**4828.18277 COMPOST**						*Receiving Temp*	°C
	Date and Time Sample 9/26/2024 10:15							
Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	**<1.9**	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-53							*Completed* 28-Sep-24	13:30

Sample ID	**4828.18278 COMPOST**						*Receiving Temp*	°C
	Date and Time Sample 9/26/2024 10:15							
Lab Techs	*Test*	*Test Results*		*MRL*	*Units*	*Method*	**Analysis Date:**	**Time:**
AR AR	**Salmonella**	**<1.7**	MPN/4 g dry	3	MPN/4 g dry	EPA 1682	*Preparation* 26-Sep-24	13:00
							Analysis 28-Sep-24	13:30
2024-06-80							*Completed* 28-Sep-24	13:30

Richards Industrial Microbiology Laboratory, Inc

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134
All samples tested according to NELAP requirements

Date Report Printed *Monday, September 30, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 11:44 9/26/2024

Sample ID	**4828.18272 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**67.70**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-81							*Completed*	27-Sep-24 13:30
Sample ID	**4828.18273 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**72.21**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-51							*Completed*	27-Sep-24 13:30
Sample ID	**4828.18274 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**68.65**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-92							*Completed*	27-Sep-24 13:30
Sample ID	**4828.18275 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**63.43**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-28							*Completed*	27-Sep-24 13:30
Sample ID	**4828.18276 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**68.95**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-70							*Completed*	27-Sep-24 13:30
Sample ID	**4828.18277 COMPOST**						***Receiving Tem***	°C
	Grab			Sample Date Tim	26-Sep-24	10:15		
Lab Techs	***Test***	***Test Results***		***MRL***	***Method***		**Sample**	**Date:** **Time**
AR	**Total Solids**	**62.85**	%	1 %	EPA 160.3		*Preparation*	26-Sep-24 13:00
							Analysis	27-Sep-24 13:30
2024-06-53							*Completed*	27-Sep-24 13:30

Sheri D Burton

Richards Industrial Microbiology Laboratory, Inc.

RICHARDS LABORATORIES OF UTAH

45 North 100 East Pleasant Grove UT 84062 (801) 785-2500 Ext 134
All samples tested according to NELAP requirements

Date Report Printed *Monday, September 30, 2024*

CENTRAL DAVIS SEWER DISTRICT
2200 SOUTH SUNSET DRIVE

KAYSVILLE, UT 84037

Phone: 801 451-2190
Fax: (801) 451-6836

SAMPLE SITE: Sampler: MM Received 11:44 9/26/2024

Sample ID **4828.18278 COMPOST** *Receiving Tem* °C

Grab Sample Date Tim 26-Sep-24 10:15

Lab Techs	*Test*	*Test Results*		*MRL*	*Method*	**Sample**	**Date:**	**Time**
AR	**Total Solids**	**71.22**	%	1 %	EPA 160.3	*Preparation*	26-Sep-24	13:00
						Analysis	27-Sep-24	13:30
2024-06-80						*Completed*	27-Sep-24	13:30

Richards Industrial Microbiology Laboratory, Inc.

CENTRAL DAVIS SEWER DISTRICT
2200 South Sunset Drive
KAYSVILLE, UTAH 84037
801-451-2190
801-451-6836 FAX #
CHAIN OF CUSTODY

4828

	SAMPLE TYPE	SAMPLE DATE	TIME STARTED	MATRIX	TSS	BOD 5	DISSOLVED BOD 5	BIOMONITORING	OIL AND GREASE	FECAL COLIFORM	TOTAL COLIFORM	SALMONELLA
2024-06-81 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-51 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-92 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-28 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-70 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-53 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X
2024-06-80 SAMPLED BY: Manjot Masson	Grab	9/26/2024	10:15 AM	Compost								X

		DATE	TIME	TOTAL NUMBER OF SAMPLES
RELINQUISHED BY:	Rebecca Mathis	9/26/24	11:45	7
RECEIVED BY:		9-26-24	11:44	

Central Davis Sewer District
Anaerobic Compost Pile # 240527

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, May 27, 2024			
Temperature Monitoring	Monday, June 3, 2024	8:02Am	60°	
	Tuesday, June 4, 2024	8:16Am	62°	
	Wednesday, June 5, 2024	8:20Am	62°	
	Thursday, June 6, 2024	7:57Am	60°	
	Friday, June 7, 2024	8:00Am	60°	
	Saturday, June 8, 2024	8:05Am	67°	
	Sunday, June 9, 2024	8:15 AM	65	
	Monday, June 10, 2024	7:53Am	65°	
	Tuesday, June 11, 2024	8:25Am	68°	JC
	Wednesday, June 12, 2024	8:44Am	69	WJ
	Thursday, June 13, 2024	8:09Am	68°	
	Friday, June 14, 2024	8:00Am	68°	
	Saturday, June 15, 2024	9:42AM	62°	TAH
	Sunday, June 16, 2024	8:59 AM	62°	TAH
	Monday, June 17, 2024	8:47Am	59°	
	Tuesday, June 18, 2024	8:00Am	62°	
	Wednesday, June 19, 2024	8:11A	57°	JC
	Thursday, June 20, 2024	7:53Am	57°	
	Friday, June 21, 2024	7:57Am	59°	
	Saturday, June 22, 2024	7:55Am	60°	
	Sunday, June 23, 2024	7:57Am	59°	
Pile Complete	Monday, June 24, 2024	8:15am	60°	JC

Central Davis Sewer District
Anaerobic Compost Pile # 240610

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, June 10, 2024			
Temperature Monitoring	Monday, June 17, 2024	8:47Am	59°	JW
	Tuesday, June 18, 2024	8:06Am	59°	JW
	Wednesday, June 19, 2024	8:13am	58°	SC
	Thursday, June 20, 2024	7:54Am	59°	JW
	Friday, June 21, 2024	7:58Am	59°	JW
	Saturday, June 22, 2024	7:56am	61°	JW
	Sunday, June 23, 2024	7:57Am	60°	JW
	Monday, June 24, 2024	8:10am	63°	SC
	Tuesday, June 25, 2024	8:09am	64°	SC
	Wednesday, June 26, 2024	8:05am	67°	SC
	Thursday, June 27, 2024	missed	missed	missed
	Friday, June 28, 2024	9:03Am	57°	WJ
	Saturday, June 29, 2024	9:16 AM	67°	KM
	Sunday, June 30, 2024	9:05AM	60°	KM
	Monday, July 1, 2024	9:16Am	60°	JW
	Tuesday, July 2, 2024	8:14Am	56°	JW
	Wednesday, July 3, 2024	8:08 A	56°	SC
	Thursday, July 4, 2024	8:00 Am	56°	JC
	Friday, July 5, 2024	8:06am	55°	JC
	Saturday, July 6, 2024	7:58 Am	56°	JC
	Sunday, July 7, 2024	8:23am	~~55°~~ 57°	JP
Pile Complete	Monday, July 8, 2024	8:53Am	58°	JW
	July 9, 2024	8:14Am	56°	JW

Central Davis Sewer District
Anaerobic Compost Pile # 240624

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, June 24, 2024			
Temperature Monitoring	Monday, July 1, 2024	9:11Am	61°	JW
	Tuesday, July 2, 2024	8:15Am	60°	JC
	Wednesday, July 3, 2024	810A	59°	JC
	Thursday, July 4, 2024	7:58AM	58°	NC
	Friday, July 5, 2024	807A	57°	JC
	Saturday, July 6, 2024	8:00AM	56°	NC
	Sunday, July 7, 2024	8:23 am	55°	VH
	Monday, July 8, 2024	8:55Am	71°	JC
	Tuesday, July 9, 2024	8:15Am	72°	JW
	Wednesday, July 10, 2024	8:06Am	71°	JC
	Thursday, July 11, 2024	8:30 AM	69°	TAH
	Friday, July 12, 2024	830A	68°	JC
	Saturday, July 13, 2024	817A	69°	JC
	Sunday, July 14, 2024	826A	68°	JC
	Monday, July 15, 2024	7:34Am	66°	JW
	Tuesday, July 16, 2024	8:12Am	61°	WJ
	Wednesday, July 17, 2024	841 AM	61°	TAH
	Thursday, July 18, 2024	8:02Am	60°	JW
	Friday, July 19, 2024	8:50AM	63°	TAH
	Saturday, July 20, 2024	9:03Am	62°	JC
	Sunday, July 21, 2024	8:20AM	62°	MB
Pile Complete	Monday, July 22, 2024	8:50AM	63	TAH

Central Davis Sewer District
Anaerobic Compost Pile # 240708

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, July 8, 2024			
Temperature Monitoring	Monday, July 15, 2024	9:20Am	66°	
	Tuesday, July 16, 2024	4:10 Pm	65°	WJ
	Wednesday, July 17, 2024	8:41 AM	64°	TAH
	Thursday, July 18, 2024	8:03Am	61°	
	Friday, July 19, 2024	8:50 AM	69°	TAH
	Saturday, July 20, 2024	8:04Am	68°	
	Sunday, July 21, 2024	4:26 PM	64°	
	Monday, July 22, 2024	8:48 AM	64°	TAH
	Tuesday, July 23, 2024	10:38 AM	66°	TAH
	Wednesday, July 24, 2024	9:30 AM	65°	
	Thursday, July 25, 2024	8:LAm	66°	
	Friday, July 26, 2024	8:13Am	64°	
	Saturday, July 27, 2024	8 40AM	64°	TAH
	Sunday, July 28, 2024	8:55AM	65°	
	Monday, July 29, 2024	8:53Am	64°	
	Tuesday, July 30, 2024	8:20Am	61°	
	Wednesday, July 31, 2024	8:05Am	60°	
	Thursday, August 1, 2024	8 14a	61°	
	Friday, August 2, 2024	8:05am	60°	
	Saturday, August 3, 2024	8:06AM	61	
	Sunday, August 4, 2024	9:28AM	61	
Pile Complete	Monday, August 5, 2024	8:07Am	58°	

Central Davis Sewer District
Anaerobic Compost Pile # 240722

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, July 22, 2024			
Temperature Monitoring	Monday, July 29, 2024	8:50Am	59°	JW
	Tuesday, July 30, 2024	8:22Am	60°	JC
	Wednesday, July 31, 2024	8:07Am	58°	JC
	Thursday, August 1, 2024	8:15A	59°	JC
	Friday, August 2, 2024	8:06Am	59°	JC
	Saturday, August 3, 2024	8:06AM	63	JH
	Sunday, August 4, 2024	9:28AM	63	JH
	Monday, August 5, 2024	8:07Am	64°	JW
	Tuesday, August 6, 2024	8:27am	66°	JC
	Wednesday, August 7, 2024	8:09Am	64°	JC
	Thursday, August 8, 2024	8:51Am	57°	WJ
	Friday, August 9, 2024	8:57Am	60°	JC
	Saturday, August 10, 2024	8:20AM	57°	KM
	Sunday, August 11, 2024	9:44AM	57°	KM
	Monday, August 12, 2024	8:12Am	59°	JC
	Tuesday, August 13, 2024	8:21Am	55°	JW
	Wednesday, August 14, 2024	8:15Am	56°	JW
	Thursday, August 15, 2024	8:16Am	55°	JC
	Friday, August 16, 2024	8:15Am	55°	JC
	Saturday, August 17, 2024	8:03 AM	56°	JC
	Sunday, August 18, 2024	8:20 am	55	JH
Pile Complete	Monday, August 19, 2024	8:19Am	50°	WJ

Central Davis Sewer District
Anaerobic Compost Pile # 240805

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, August 5, 2024	11:55	57°	TAH
Temperature Monitoring	Monday, August 12, 2024	↓	↓	↓
	Tuesday, August 13, 2024	8:23Am	60°	JL
	Wednesday, August 14, 2024	8:15Am	57°	JL
	Thursday, August 15, 2024	8:16Am	58°	JL
	Friday, August 16, 2024	8:15Am	57°	JL
	Saturday, August 17, 2024	8:18 AM	60°	MC
	Sunday, August 18, 2024	8:23 am	57°	HP
	Monday, August 19, 2024	8:18Am	58°	WJ
	Tuesday, August 20, 2024	8:15Am	56°	JL
	Wednesday, August 21, 2024	8:21Am	51°	WJ
	Thursday, August 22, 2024	8:33Am	58°	JL
	Friday, August 23, 2024	8:03Am	56°	JL
	Saturday, August 24, 2024	8:10Am	57°	JC
	Sunday, August 25, 2024	8:12 Am	60°	JC
	Monday, August 26, 2024	7:59Am	60°	JL
	Tuesday, August 27, 2024	8:02Am	60°	JL
	Wednesday, August 28, 2024	7:56Am	57°	JL
	Thursday, August 29, 2024	8:03Am	56°	JL
	Friday, August 30, 2024	7:55Am	56°	JL
	Saturday, August 31, 2024	8:12Am	55°	JL
	Sunday, September 1, 2024	8:25AM	52°	JL
Pile Complete	Monday, September 2, 2024	8:05Am	53°	JL

Central Davis Sewer District
Anaerobic Compost Pile # 240819

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, August 19, 2024	8:14AM	47°	WJ
Temperature Monitoring	Monday, August 26, 2024	8:02AM	56°	JL
	Tuesday, August 27, 2024	8:04AM	55°	JL
	Wednesday, August 28, 2024	7:58AM	57°	JL
	Thursday, August 29, 2024	8:04AM	59°	JL
	Friday, August 30, 2024	7:55AM	58°	JL
	Saturday, August 31, 2024	9:13AM	59°	JL
	Sunday, September 1, 2024	8:18AM	58°	JL
	Monday, September 2, 2024	8:05AM	60°	JL
	Tuesday, September 3, 2024	8:10AM	66°	WJ
	Wednesday, September 4, 2024	8:25AM	65°	JC
	Thursday, September 5, 2024	8:10AM	65°	JC
	Friday, September 6, 2024	9:25AM	64	JL
	Saturday, September 7, 2024	8:50AM	63°	JW
	Sunday, September 8, 2024	11:01AM	61°	TAH
	Monday, September 9, 2024	9:10AM	61°	JL
	Tuesday, September 10, 2024	8:15AM	60°	JL
	Wednesday, September 11, 2024	8:08AM	60	JL
	Thursday, September 12, 2024	8:10AM	59°	JL
	Friday, September 13, 2024	9:03AM	57°	JL
	Saturday, September 14, 2024	8:08AM	60°	TH
	Sunday, September 15, 2024	8:12AM	59°	TH
Pile Complete	Monday, September 16, 2024	8:02AM	55°	JL

Central Davis Sewer District
Anaerobic Compost Pile # 240902

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, September 2, 2024			
Temperature Monitoring	Monday, September 9, 2024	8:22Am	60	
	Tuesday, September 10, 2024	9:15Am	59	
	Wednesday, September 11, 2024	8:09Am	57	
	Thursday, September 12, 2024	8:09Am	56	
	Friday, September 13, 2024	9:07Am	58	
	Saturday, September 14, 2024	8:08AM	56	
	Sunday, September 15, 2024	8:12AM	56	
	Monday, September 16, 2024	8:03Am	61	
	Tuesday, September 17, 2024	8:04Am	60	
	Wednesday, September 18, 2024	9:04Am	63	
	Thursday, September 19, 2024	825a	63	JC
	Friday, September 20, 2024	825a	62	JC
	Saturday, September 21, 2024	8:23AM	61	KM
	Sunday, September 22, 2024	9:32AM	60	KM
	Monday, September 23, 2024	7:35Am	61	
	Tuesday, September 24, 2024	8:03Am	58	
	Wednesday, September 25, 2024	8:10Am	57	
	Thursday, September 26, 2024	8:05Am	56	
	Friday, September 27, 2024	8:16Am	56	
	Saturday, September 28, 2024	8:02Am	57	
	Sunday, September 29, 2024	9:25Am	60	
Pile Complete	Monday, September 30, 2024	8:41Am	60	VJ

Central Davis Sewer District
Anaerobic Compost Pile # 240916

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, September 16, 2024			
Temperature Monitoring	Monday, September 23, 2024	7:36Am	61°	
	Tuesday, September 24, 2024	8:54Am	60°	
	Wednesday, September 25, 2024	8:10Am	62°	
	Thursday, September 26, 2024	8:05Am	61°	
	Friday, September 27, 2024	8:16Am	61°	
	Saturday, September 28, 2024	8:20Am	58°	
	Sunday, September 29, 2024	8:25AM	60	
	Monday, September 30, 2024	8:41Am	60°	WJ
	Tuesday, October 1, 2024	8:30Am	60°	JC
	Wednesday, October 2, 2024	8:29Am	61°	
	Thursday, October 3, 2024	9:00Am	64°	WJ
	Friday, October 4, 2024	8:12A	63°	JC
	Saturday, October 5, 2024	8:05A	62°	JC
	Sunday, October 6, 2024	8:02A	63°	JC
	Monday, October 7, 2024	8:13Am	61°	
	Tuesday, October 8, 2024	9:19	61°	TH
	Wednesday, October 9, 2024	8:07Am	60°	
	Thursday, October 10, 2024	8:08Am	57°	
	Friday, October 11, 2024	8:51Am	57°	WJ
	Saturday, October 12, 2024	8:28AM	57°	
	Sunday, October 13, 2024	8:22Am	55°	
Pile Complete	Monday, October 14, 2024	8:12Am	57°	

Central Davis Sewer District
Aerobic Compost Pile # 240401

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, April 1, 2024			
Temperature Monitoring	Monday, April 8, 2024	8:04Am	66°	JW
	Tuesday, April 9, 2024	6:54Am	70°	JW
	Wednesday, April 10, 2024	8:04Am	69°	JW
	Thursday, April 11, 2024	8:14Am	69°	JW
	Friday, April 12, 2024	8:01Am	69°	JW
	Saturday, April 13, 2024	8:03Am	68°	JW
	Sunday, April 14, 2024	8:05am	67	JH
	Monday, April 15, 2024	8:31Am	63	WJ
	Tuesday, April 16, 2024	8:20a	64	JC
	Wednesday, April 17, 2024	8:11Am	66°	JW
	Thursday, April 18, 2024	8:09Am	66°	JW
	Friday, April 19, 2024	8:15am	65°	JC
	Saturday, April 20, 2024	8:30am	65°	JC
	Sunday, April 21, 2024	8:18am	66°	JC
	Monday, April 22, 2024	8:25Am	66°	JW
	Tuesday, April 23, 2024	8:21Am	65°	WJ
	Wednesday, April 24, 2024	6:58Am	65°	JW
	Thursday, April 25, 2024	8:42Am	63°	JW
	Friday, April 26, 2024	8:04Am	61°	JW
	Saturday, April 27, 2024	9:02Am	62°	JW
	Sunday, April 28, 2024	7:59Am	60°	JW
Pile Complete	Monday, April 29, 2024	812	62°	JC

Central Davis Sewer District
Aerobic Compost Pile # 240429

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, April 29, 2024			
Temperature Monitoring	Monday, May 6, 2024	8:03AM	63°	
	Tuesday, May 7, 2024	8:00 Am	65°	
	Wednesday, May 8, 2024	8:43Am	63°	WJ
	Thursday, May 9, 2024	8:05Am	61°	
	Friday, May 10, 2024	8:07Am	60°	
	Saturday, May 11, 2024	9:30AM	64°	
	Sunday, May 12, 2024	8:01AM	63°	
	Monday, May 13, 2024	8:04Am	63°	
	Tuesday, May 14, 2024	8:10Am	64°	
	Wednesday, May 15, 2024	8:19 Am	65°	WJ
	Thursday, May 16, 2024	820 A	64°	JC
	Friday, May 17, 2024	820 A	64°	JC
	Saturday, May 18, 2024	800A	65°	JC
	Sunday, May 19, 2024	9:33AM	65°	DS
	Monday, May 20, 2024	8:04Am	61°	
	Tuesday, May 21, 2024	8:40Am	65°	WJ
	Wednesday, May 22, 2024	8:10Am	62°	
	Thursday, May 23, 2024	8:22Am	63°	
	Friday, May 24, 2024	805Am	61°	JC
	Saturday, May 25, 2024	8:53AM	59°	
	Sunday, May 26, 2024	8:20AM	58	
Pile Complete	Monday, May 27, 2024	9:47 AM	61°	

Central Davis Sewer District
Aerobic Compost Pile # 240527

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, May 27, 2024			
Temperature Monitoring	Monday, June 3, 2024	8:04Am	62°	JW
	Tuesday, June 4, 2024	8:18Am	63°	JW
	Wednesday, June 5, 2024	8:23Am	63°	JW
	Thursday, June 6, 2024	7:58Am	62°	JW
	Friday, June 7, 2024	8:22Am	61°	JW
	Saturday, June 8, 2024	8:03AM	62°	BJ
	Sunday, June 9, 2024	8:13AM	58°	BJ
	Monday, June 10, 2024	7:51Am	66°	JW
	Tuesday, June 11, 2024	8:23A	68	JC
	Wednesday, June 12, 2024	8:43 Am	70°	WJ
	Thursday, June 13, 2024	8:07Am	70°	JW
	Friday, June 14, 2024	7:59Am	69°	JW
	Saturday, June 15, 2024	9:41Am	69°	TAH
	Sunday, June 16, 2024	8:57AM	63°	TAH
	Monday, June 17, 2024	8:45Am	60°	JW
	Tuesday, June 18, 2024	8:02Am	60°	JW
	Wednesday, June 19, 2024	8:10Am	59°	JC
	Thursday, June 20, 2024	7:52Am	57°	JW
	Friday, June 21, 2024	7:53AM	66°	JW
	Saturday, June 22, 2024	7:54Am	66	JC
	Sunday, June 23, 2024	7:56Am	65°	JW
Pile Complete	Monday, June 24, 2024	8:20Am	60°	JC

Central Davis Sewer District
Aerobic Compost Pile # 240624

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, June 24, 2024			
Temperature Monitoring	Monday, July 1, 2024	9:13Am	63°	JC
	Tuesday, July 2, 2024	8:12Am	68°	JC
	Wednesday, July 3, 2024	8:06am	69°	JC
	Thursday, July 4, 2024	7:56AM	70°	MC
	Friday, July 5, 2024	8:05am	68°	JC
	Saturday, July 6, 2024	7:56AM	69°	MC
	Sunday, July 7, 2024	8:23am	69°	JH
	Monday, July 8, 2024	8:50Am	59°	JC
	Tuesday, July 9, 2024	8:12Am	67°	JC
	Wednesday, July 10, 2024	8:04Am	66°	JC
	Thursday, July 11, 2024	8:3AM	65°	TAH
	Friday, July 12, 2024	8:30 am	65°	JC
	Saturday, July 13, 2024	8:25am	65°	JC
	Sunday, July 14, 2024	8:25am	65°	JC
	Monday, July 15, 2024	7:33Am	65°	JC
	Tuesday, July 16, 2024	8:12Am	64°	WJ
	Wednesday, July 17, 2024	8:41 AM	64°	TAH
	Thursday, July 18, 2024	8:10Am	65°	JC
	Friday, July 19, 2024	8:50AM	62°	TAH
	Saturday, July 20, 2024	8:01Am	58°	JC
	Sunday, July 21, 2024	8:27AM	55°	BJ
Pile Complete	Monday, July 22, 2024	8:30AM	59°	TAH

Central Davis Sewer District
Aerobic Compost Pile # 240722

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, July 22, 2024			
Temperature Monitoring	Monday, July 29, 2024	8:51Am	62°	
	Tuesday, July 30, 2024	8:10Am	64	
	Wednesday, July 31, 2024	8:03Am	65	
	Thursday, August 1, 2024	815A	61°	JC
	Friday, August 2, 2024	8:09AM	60°	
	Saturday, August 3, 2024	8:06AM	62°	
	Sunday, August 4, 2024	9:28AM	62°	
	Monday, August 5, 2024	8:05Am	64°	
	Tuesday, August 6, 2024	8:29Am	63°	
	Wednesday, August 7, 2024	8:08Am	61°	
	Thursday, August 8, 2024	8:51Am	64°	WJ
	Friday, August 9, 2024	8:55Am	61°	
	Saturday, August 10, 2024	8:20 AM	50°	KM
	Sunday, August 11, 2024	9:44 AM	55°	KM
	Monday, August 12, 2024	815A	55	
	Tuesday, August 13, 2024	8:20Am	56°	
	Wednesday, August 14, 2024	8:13Am	63°	JW
	Thursday, August 15, 2024	8:17AM	61°	JW
	Friday, August 16, 2024	8:13Am	60°	
	Saturday, August 17, 2024	8:02 AM	59°	JC
	Sunday, August 18, 2024	8:25am	61°	JJ
Pile Complete	Monday, August 19, 2024	8:19Am	46°	WJ

Central Davis Sewer District
Aerobic Compost Pile # 240819

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, August 19, 2024	[illegible]	[illegible]	[illegible]
Temperature Monitoring	Monday, August 26, 2024	8:04Am	58°	
	Tuesday, August 27, 2024	8:01Am	67°	
	Wednesday, August 28, 2024	7:54Am	69°	
	Thursday, August 29, 2024	8:01Am	70°	
	Friday, August 30, 2024	7:54Am	69°	
	Saturday, August 31, 2024	8:10Am	69°	
	Sunday, September 1, 2024	8:15AM	68°	
	Monday, September 2, 2024	8:03Am	69°	
	Tuesday, September 3, 2024	8:10Am	70°	WJ
	Wednesday, September 4, 2024	8:20 am	68°	
	Thursday, September 5, 2024	8:15am	68°	
	Friday, September 6, 2024	8:23Am	66°	
	Saturday, September 7, 2024	8:55AM	69°	
	Sunday, September 8, 2024	11:00	66°	AH
	Monday, September 9, 2024	8:18Am	67°	
	Tuesday, September 10, 2024	8:11Am	65°	
	Wednesday, September 11, 2024	8:07Am	63°	
	Thursday, September 12, 2024	8:09Am	64°	
	Friday, September 13, 2024	9:01Am	65°	
	Saturday, September 14, 2024	8:08AM	64°	AH
	Sunday, September 15, 2024	8:12AM	65	AH
Pile Complete	Monday, September 16, 2024	8:00Am	66°	

Central Davis Sewer District
Aerobic Compost Pile # 240916

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, September 16, 2024			
Temperature Monitoring	Monday, September 23, 2024	7:33Am	59°	
	Tuesday, September 24, 2024	8:01Am	64°	
	Wednesday, September 25, 2024	8:12Am	66°	
	Thursday, September 26, 2024	8:04Am	66°	
	Friday, September 27, 2024	8:15Am	64°	
	Saturday, September 28, 2024	8:22Am	65°	
	Sunday, September 29, 2024	8:28Am	63°	
	Monday, September 30, 2024	8:41Am	63°	WJ
	Tuesday, October 1, 2024	830Am	65°	SC
	Wednesday, October 2, 2024	8:27Am	64°	
	Thursday, October 3, 2024	9:00Am	67°	WJ
	Friday, October 4, 2024	810A	65°	SC
	Saturday, October 5, 2024	810A	62°	SC
	Sunday, October 6, 2024	800A	62°	SC
	Monday, October 7, 2024	811Am	60°	
	Tuesday, October 8, 2024	9:19AM	59°	TAH
	Wednesday, October 9, 2024	8:05Am	59°	
	Thursday, October 10, 2024	8:06Am	58°	
	Friday, October 11, 2024	8:50Am	56°	TAH
	Saturday, October 12, 2024	6:25Am	58°	
	Sunday, October 13, 2024	9:29Am	59°	
Pile Complete	Monday, October 14, 2024	9:10Am	59°	

Central Davis Sewer District
Aerobic Compost Pile # 241007

Action Item	Date	Temperature		
		Time	Temperature	Operator Initials
Begin Pile Construction	Monday, October 7, 2024			
Temperature Monitoring	Monday, October 14, 2024	8:13Am	60°	JW
	Tuesday, October 15, 2024	8:22Am	71°	JW
	Wednesday, October 16, 2024	8:05Am	68°	JW
	Thursday, October 17, 2024	830Am	62°	JC
	Friday, October 18, 2024	835Am	58°	JC
	Saturday, October 19, 2024	8:07Am	65°	JW
	Sunday, October 20, 2024	8:06Am	63°	JW
	Monday, October 21, 2024	818Am	61°	JC
	Tuesday, October 22, 2024	812	60°	JC
	Wednesday, October 23, 2024	8:15Am	58°	JW
	Thursday, October 24, 2024	8:24Am	59°	JW
	Friday, October 25, 2024	840Am	65°	JC
	Saturday, October 26, 2024	10:19 AM	65°	↑H
	Sunday, October 27, 2024	8:17AM	67°	↑H
	Monday, October 28, 2024	8:10Am	64°	JW
	Tuesday, October 29, 2024	8:25Am	62°	JW
	Wednesday, October 30, 2024	7:04Am	60°	JW
	Thursday, October 31, 2024	9:12Am	61°	JW
	Friday, November 1, 2024	8:30Am	58°	JW
	Saturday, November 2, 2024	8:00Am	63°	KM
	Sunday, November 3, 2024	8:00Am	60°	KM
Pile Complete	Monday, November 4, 2024	8:09Am	63°	JW

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Vector Attraction Reduction Compliance Documentation

1. 2024 Anaerobic Digester Volatile Solids Reduction Calculations
2. Compost VAR Time and Temperature (This requirement is Met as a Part of the Windrow Time and Temperature Pathogen Reduction Requirements).

Central Davis Sewer District
2024 Biosolids Precent Solids Analysis

	Aerobic Press		Anaerobic & Thickened		Primary to Digester		Digester to Thickening	
1st Quarter								
Date	**% Solids**	**%VS**	**% Solids**	**% VS**	**% Solids**	**% VS**	**% Solids**	**% VS**
2/9/2024	21.0%	83.0%	16.0%	57.9%	5.2%	77.0%	2.7%	56.6%
Quarter Average	**21.0%**	**83.0%**	**16.0%**	**57.9%**	**5.2%**	**77.0%**	**2.7%**	**56.6%**
2nd Quarter								
Date	**% Solids**	**%VS**	**% Solids**	**% VS**	**% Solids**	**% VS**	**% Solids**	**% VS**
5/10/2024	16%	82.0%	17.4%	59.2%	4.1%	76.2%	2.1%	58.6%
Quarter Average	**16.2%**	**82.0%**	**17.4%**	**59.2%**	**4.1%**	**76.2%**	**2.1%**	**58.6%**
3rd Quarter								
Date	**% Solids**	**%VS**	**% Solids**	**% VS**	**% Solids**	**% VS**	**% Solids**	**% VS**
8/16/2024	17.2%	79.6%	15.2%	59.3%	3.3%	73.8%	2.9%	57.7%
Quarter Average	**17.2%**	**79.6%**	**15.2%**	**59.3%**	**3.3%**	**73.8%**	**2.9%**	**57.7%**
4th Quarter								
Date	**% Solids**	**%VS**	**% Solids**	**% VS**	**% Solids**	**% VS**	**% Solids**	**% VS**
11/22/2024	19.3%	82.2%	16.4%	59.3%	4.1%	76.8%	3.5%	58.7%
Quarter Average	**19.3%**	**82.2%**	**16.4%**	**59.3%**	**4.1%**	**76.8%**	**3.5%**	**58.7%**
Annual Average	**18.4%**	**81.7%**	**16.3%**	**58.9%**	**4.2%**	**76.0%**	**2.8%**	**57.9%**

Central Davis Sewer District

Aerobic Biosolids

2024 Anaerobic VAR Summary

Date	Volatile Solids Reduction
1st Quarter	
Date	
2/12/2024	61%
Quarter Average	61%
2nd Quarter	
Date	
5/13/2024	56%
Quarter Average	56%
3rd Quarter	
Date	
8/19/2024	51%
Quarter Average	51%
4th Quarter	
Date	
11/25/2024	57%
Quarter Average	57%
Annual Average	56%

Total & Volatile Solids

SM 2540 B & E

Central Davis Sewer District

Date sampled 2-9-24 | Sampled By Jeffrey / Torrey | Date Analyzed 9:59 am | Analyst Priscilla

In Incubtor 12:01 pm | Out Incubator 8:47 am 2/12 | In Furnace 2-12-24 | Out Furnace 11:05 am

Line	Sample Location	Blank (mg/L) Liquid		Aerobic (%)	Aerobic Dup (%)	Anaerobic (%)	Primary (%)	Digester (%)
1	Bottle #							
2	Dish + Sample wt			50.1758	54.0305	60.0585	102.2101	98.0427
3	Dish wt	43.5190		46.8008	50.6327	55.9853	54.6710	55.0538
4	Sample wt / vol	100		3.3750	3.3978	4.0732	47.5391	42.9889
5	Dish + Dry Sample wt	43.5176		47.5026	51.3565	56.6390	57.1426	56.2343
6	Dry Sample wt	-0.0014		0.7018	0.7238	0.6537	2.4716	1.1805
7	Dish + Ash Sample wt	—		46.9190	50.7562	56.2607	55.2385	55.5656
8	Ash Sample wt			0.1182	0.1235	0.2754	0.5675	0.5118
9	Total Solids % (Ln6*100/ Ln4) (mg/L for Liquid Samples)	-14	For Liquid Sample: (Ln6*1000000/Ln4)	20.7941	21.3020	16.0488	5.199 % 51,990.88 (mg/L)	2.746 % 27,460.57 (mg/L)
10	Volatile Solids % (Ln5-Ln7*100/ Ln6)			83.1576	82.9373	57.8706	77.0391	56.6455

QA/QC by: QA Check

Date: 2/20/2024

Revision 1/12/23 AM

Central Davis Co. Sewer District

VS Reduction

Van Kleek Equation- White House Manual

Date Tested:	2/12/2024

$$FVSR = 1 - \frac{VSb \times (1-VSf)}{VSf \times (1-VSb)}$$

Where		
	Digester solids as a fraction	0.566455
	Primary solids as a fraction	0.770391

0.22961
0.433545

$$1 - \frac{0.130063166}{0.333999166}$$

1- 0.389411649

Reduction 0.6106 61%

38% percent or higher

Total & Volatile Solids

SM 2540 B & E

Central Davis Sewer District

Date sampled 5-10-24 Sampled By Jace / Paco Date Analyzed 5-13-24 Analyst Priscilla

In Incubtor 11:39 am Out Incubator 11:09 am 5/13 In Furnace 11:44 am / 12:46pm Out Furnace 12:45 pm / 1:51 pm

Line	Sample Location	Blank (mg/L) Liquid		Aerobic (%)	Aerobic Dup (%)	Anaerobic (%)	Primary (%)	Digester (%)
1	Bottle #							
2	Dish + Sample wt			46.4467	58.1350	57.1813	107.9218	95.8972
3	Dish wt	46.7987	~~46.7986~~ PH	43.5168	55.0519	54.4544	55.9837	50.6313
4	Sample wt / vol	100		2.9299	3.0831	2.7269	51.9381	45.2659
5	Dish + Dry Sample wt	46.7986		43.9960	55.5488	54.9294	58.1232	51.6029
6	Dry Sample wt	-0.0001		0.4792	0.4969	0.4750	2.1395	0.9716
7	Dish + Ash Sample wt			43.6037	55.1408	54.6484	56.4923	51.0335
8	Ash Sample wt			0.0869	0.0889	0.1940	0.5086	0.4022
9	Total Solids % (Ln6*100/ Ln4) (mg/L for Liquid Samples)	-1	For Liquid Sample: (Ln6*1000000/Ln4)	16.3555	16.1169	17.4190	4.1193%	2.1464%
10	Volatile Solids % (Ln5-Ln7*100/ Ln6)			81.8656	82.1091	59.1579	76.2281	58.6044

QA Check

QA/QC by:

Date: 5/22/2024

Revision 1/12/23 AM

Central Davis Co. Sewer District

VS Reduction

Van Kleek Equation- White House Manual

Date Tested:	5/13/2024

$$FVSR = 1 - \frac{VSb \times (1-VSf)}{VSf \times (1-VSb)}$$

Where		
	Digester solids as a fraction	0.586044
	Primary solids as a fraction	0.762281

0.23772
0.413956

$$1 - \frac{0.139313794}{0.315550794}$$

1- 0.441494037

Reduction 0.5585 56%

38% percent or higher

2:32 PM 5/13/2024
Volatile solids Reduction Form

Total & Volatile Solids

SM 2540 B & E

Central Davis Sewer District

Date sampled 8-16-24 Sampled By Paco/Wesley Date Analyzed 8-19-24 Analyst Priscilla

In Incubtor 11:14 am Out Incubator 10:06 am 8/19 In Furnace 11:19 am Out Furnace 12:50 pm

Line	Sample Location	Blank (mg/L) Liquid		Aerobic (%)	Aerobic Dup (%)	Anaerobic (%)	Primary (%)	Digester (%)
1	Bottle #							
2	Dish + Sample wt			56.7278	57.6770	56.3478	104.3751	95.1037
3	Dish wt	55.0527		54.4566	54.6708	52.4600	55.9852	50.6325
4	Sample wt / vol	100		2.2712	3.0062	3.8878	48.3899	44.4712
5	Dish + Dry Sample wt	-0.0006		54.8605	55.1772	53.0492	57.6005	51.9251
6	Dry Sample wt	55.0521		0.4039	0.5064	0.5892	1.6153	1.2926
7	Dish + Ash Sample wt			54.5390	54.7744	52.6995	56.4087	51.1790
8	Ash Sample wt			0.0824	0.1036	0.2395	0.4235	0.5465
9	Total Solids % (Ln6*100/ Ln4) (mg/L for Liquid Samples)	-6	For Liquid Sample: (Ln6*1000000/Ln4)	17.7836	16.8452	15.1551	3.3381	2.9066
10	Volatile Solids % (Ln5-Ln7*100/ Ln6)			79.5989	79.5419	59.3517	73.7820	57.7209

QA/QC by: QA Check

Date: 9/13/2024

Revision 1/12/23 AM

Central Davis Co. Sewer District

VS Reduction

Van Kleek Equation- White House Manual

Date Tested:	8/19/2024

$$FVSR = 1 - \frac{VSb \times (1-VSf)}{VSf \times (1-VSb)}$$

Where		
	Digester solids as a fraction	0.577209
	Primary solids as a fraction	0.73782

0.26218
0.422791

$$1 - \frac{0.151332656}{0.311943656}$$

1- 0.485128173

Reduction 0.5149 51%

38% percent or higher

Total & Volatile Solids

SM 2540 B & E

Central Davis Sewer District

Date sampled 11-22-24 | Sampled By Paco / Wesley | Date Analyzed 11-25-24 | Analyst Priscilla

In Incubtor 11:16 am | Out Incubator 10:50 am 11/25 | In Furnace 11:58 am | Out Furnace 12:59 pm

Line	Sample Location	Blank (mg/L) Liquid		Aerobic (%)	Aerobic Dup (%)	Anaerobic (%)	Primary (%)	Digester (%)
1	Bottle #							
2	Dish + Sample wt			53.4116	57.8528	58.4824	104.7474	101.4895
3	Dish wt	55.9849	~~55.9846~~ PH	50.6325	54.6709	~~54.5846~~ 55.0523	52.4601	54.4705
4	Sample wt / vol	100		2.7791	3.1819	3.4301	52.2873	47.0190
5	Dish + Dry Sample wt	55.9846		51.1640	55.2902	55.6148	54.6177	56.1158
6	Dry Sample wt	-0.0003		0.5315	0.6193	0.5625	2.1576	1.6453
7	Dish + Ash Sample wt			50.7269	54.7814	55.2811	52.9601	55.1495
8	Ash Sample wt			0.0944	0.1105	0.2298	0.5000	0.6790
9	Total Solids % (Ln6*100/ Ln4) (mg/L for Liquid Samples)	-3	For Liquid Sample: (Ln6*1000000/Ln4)	19.1249	19.4632	16.3989	4.1264 % 41,264.32 mg/l	3.4992 % 34,992.24 mg/l
10	Volatile Solids % (Ln5-Ln7*100/ Ln6)			82.2389	82.1573	59.3244	76.8261	58.7309

QA/QC by: QA Check

Date: 12/5/2024

Revision 1/12/23 AM

Central Davis Co. Sewer District

VS Reduction

Van Kleek Equation- White House Manual

Date Tested:	11/25/2024

$$FVSR = 1 - \frac{VSb \times (1-VSf)}{VSf \times (1-VSb)}$$

Where		
	Digester solids as a fraction	0.587309
	Primary solids as a fraction	0.768261

0.23174
0.412691

$$1 - \frac{0.1361024}{0.3170544}$$

1- 0.429271444

Reduction 0.5707 57%

38% percent or higher

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Biosolids and Biosolids Derived Production

1. 2024 Anaerobic Land Applied Biosolids Production
2. 2024 Aerobic Biosolids Production
3. 2024 Compost Biosolids Derived Production
4. 2024 Landfill Summary

Central Davis Sewer District
Aerobic Biosolids 2024 Loads

Month	Aerobic Loads 450 Mixer Truck	Dump Truck	620 Mixer Truck	Landfill (Tons)
January	-	1,000,000	-	602
February	-	845,000	-	392
March	-	777,000	-	398
April	356,000	395,000	-	189
May	428,000	360,000	-	174
June	356,000	385,000	-	198
July	464,000	390,000	-	189
August	348,000	370,000	-	172
September	316,000	460,000	-	194
October	246,000	645,000	-	253
November	-	835,000	-	358
December	-	785,000	-	394
		Year Totals		
Load Total lbs	**2,514,000**	**7247000**	**0**	**7,724,728**
% Solids	**18.4%**	**18.4%**	**18.4%**	**18.4%**
Dry Weigh(lbs)	**462,576**	**1,333,448**	**0**	**1,421,350**
English Tons	**231**	**667**	**0**	**711**
Metric Tons	**210**	**606**	**0**	**646**
Total Tons per Year - Metric		**1462**		

https://d.docs.live.net/98ae734ac05258f0/BIOSOLIDS Files/Biosolids - Consolidated Data/Biosolids Report - Calendar Year 2024/8. Biosolids and Biosolids Derivded Production/Aerobic Biosolids Load Counts 2024

Central Davis Sewer District
Anaerobic Biosolids 2024 Loads

	Anaerobic Loads			
Month	**450 Mixer Truck**	**Dump Truck**	**620 Mixer Truck**	**Landfill (Tons)***
January	-	-	-	-
February	-	-	-	-
March	-	-	-	-
April	-	-	-	232,000
May	16,000	-	-	-
June	144,000	-	-	-
July	224,000	-	-	-
August	264,000	-	-	-
September	268,000	-	-	-
October	4,000	-	-	-
November	-	-	-	-
December	-	-	-	100,000
				-
	Year Totals			
Load Total lbs	**920,000**			**332,000**
% Solids	**16.5%**			**16.5%**
Dry Weigh(lbs)	**151,800**			**54,780**
English Tons	**76**			**27**
Metric Tons	**69**			**25**
Total Tons per Year - Metric		**69**		

https://d.docs.live.net/98ae734ac05258f0/BIOSOLIDS Files/Biosolids - Consolidated Data/Biosolids Report - Calendar Year 2024/8. Biosolids and Biosolids Derivded Production/Anaerobic Biosolids Load Counts 2024

Central Davis Sewer District
2024 Anaerobic Biosolids Spreader Loads

Zone	Anaerobic Loads Spreader
Zone 3	54
Zone 6	203
Zone 2	51

Year Totals	
Load Total	**308**
% Solids	**16.3%**
Dry Weigh(lbs)	**555,864**
English Tons	**278**
Metric Tons	**253**

CENTRAL DAVIS SEWER DISTRICT

Compost Production Analysis
2024

2023 Compost Balance

Screened		501	Metric Tons
Unscreened/Reground		-	Metric Tons
Unscreened		1,075	Metric Tons
	Total	1,576	Metric Tons

Compost Screened and Tested 7/11/2024

	2023	931	Metric Tons*
	2024	-	Metric Tons
		931	Metric Tons

Compost Screened and Tested 9/26/2024

	2023	115	Metric Tons*
	2024	-	Metric Tons
		115	Metric Tons

Compost Screened

2024 Year		1,046	Metric Tons
		1,046	Metric Tons

Remaining At End 2024

2024 Finished Compost		783	MT Measured
2024 ASP		892	MT Measured
Total Remaining		1,675	Metric Tons

Compost Production in 2024 892 Metric Tons

Compost Sold During 2024 764 Metric Tons

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 7/11/2024

Compost Pile Dimensions:		Values in Feet
	Width	35
	Length	80
	Height	8

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume	22,400	Cubic Feet
	830	Cubic Yards
Dry Weight per Cubic Yard	540	pounds/CY
Pile Weight	448,000	pounds
English tons of Compost	224.00	Tons-E
Metric Tons of Compost	204	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 7/11/2024

Compost Pile Dimensions:		Values in Feet
	Width	35
	Length	80
	Height	8

Note: Pile width and height are measured from a point mid-way up the slope each direction.

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Pile Weight	448,000	pounds
English tons of Compost	224.00	Tons-E
Metric Tons of Compost	204	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 7/11/2024

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Pile Weight	448,000	pounds
English tons of Compost	224.00	Tons-E
Metric Tons of Compost	204	Tons-M

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Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 7/11/2024

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	Width	35
	Length	80
	Height	8

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume	22,400	Cubic Feet
	830	Cubic Yards
Dry Weight per Cubic Yard	540	pounds/CY
Pile Weight	448,000	pounds
English tons of Compost	224.00	Tons-E
Metric Tons of Compost	204	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 7/11/2024

Compost Pile Dimensions:		Values in Feet
	Width	30
	Length	35
	Height	12

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume	12,600	Cubic Feet
	467	Cubic Yards
Dry Weight per Cubic Yard	540	pounds/CY
Pile Weight	252,000	pounds
English tons of Compost	126.00	Tons-E
Metric Tons of Compost	115	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 9/26/2024

Compost Pile Dimensions:		Values in Feet
	Width	65
	Length	60
	Height	12

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume	46,800	Cubic Feet
	1,733	Cubic Yards
Dry Weight per Cubic Yard	540	pounds/CY
Pile Weight	936,000	pounds
English tons of Compost	468.00	Tons-E
Metric Tons of Compost	425	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Screened, Tested and Stored 1/28/2025

Compost Pile Dimensions:		Values in Feet
	Width	70
	Length	123
	Height	10

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume	86,100	Cubic Feet
	3,189	Cubic Yards
Dry Weight per Cubic Yard	540	pounds/CY
Pile Weight	1,722,000	pounds
English tons of Compost	861.00	Tons-E
Metric Tons of Compost	783	Tons-M

Pile Measured by: Manjot Masson and Brent Justensen

Central Davis Sewer District

COMPOST PILE MEASUREMENT

Unscreened, Un-tested and Windrowed 1/28/2025

Compost Pile Dimensions:	Values in Feet			
	Storage		$Active_{1\_Aerobic}$	$Active_{2\_anaerobic}$
Width		0	25	16
Length		0	140	158
Height		0	6	6

Note: Pile width and height are measured from a point mid-way up the slope each direction.

Pile Volume		0	10,500	7584	Cubic Feet
		0	389	281	Cubic Yards
	Storage Pile		*Active Pile*		
Dry Weight per Cubic Yard	540 pounds/CY		540 pounds/CY		
Pile Weight		-	210,000	151,680	pounds
English tons of Compost		-	105.00	75.84	Tons-E
Metric Tons of Compost		-	95	69	Tons-M
Total Number of Piles		0	7	3.25	
Metric Tons of Unscreened Compost			892.25	Tons-M	

Pile Measured by: Brent Justensen and Manjot Masson

CENTRAL DAVIS SEWER DISTRICT

LANDFILLED BIOSOLIDS SUMMARY

2024

Delivery Date	Ticket Number	Tons Delivered	Month Total
1/2/2024	1085486	34.45	
1/3/2024	1085556	12.37	
1/4/2024	1085632	36.44	
1/5/2024	1085704	34.10	
1/5/2024	1085729	10.50	
1/9/2024	1085845	34.01	
1/9/2024	1085852	11.87	
1/11/2024	1085970	32.15	
1/11/2024	1085987	8.40	
1/12/2024	1086032	29.51	
1/12/2024	1086037	12.06	
1/16/2024	1086138	34.27	
1/16/2024	1086142	7.74	
1/18/2024	1086234	33.88	
1/19/2024	1086306	12.32	
1/19/2024	1086307	8.04	
1/19/2024	1086297	35.14	
1/23/2024	1086430	32.13	
1/24/2024	1086499	33.75	
1/25/2024	1086561	34.04	
1/26/2024	1086622	9.97	
1/29/2024	1086672	35.89	
1/30/2024	1086747	33.82	
1/31/2024	1086837	34.83	601.68
2/2/2024	1086967	31.48	
2/6/2024	1087098	33.55	
2/8/2024	1087224	34.34	
2/9/2024	1087271	32.07	
2/13/2024	1087396	36.14	
2/15/2024	1087541	30.04	
2/20/2024	1087743	32.04	
2/21/2024	1087808	31.72	
2/22/2024	1087874	33.79	
2/23/2024	1087963	30.70	
2/27/2024	1088085	32.96	
2/28/2024	1088157	32.80	391.63
3/1/2024	1088286	32.46	
3/6/2024	1088486	33.41	
3/7/2024	1088553	32.06	
3/8/2024	1088617	27.75	
3/13/2024	1088786	32.77	
3/14/2024	1088852	31.85	
3/15/2024	1088913	29.58	
3/19/2024	1089034	34.31	
3/21/2024	1089162	30.99	
3/22/2024	1089233	25.58	
3/27/2024	1089430	28.41	
3/28/2024	1089487	28.41	
3/29/2024	1089559	30.11	397.69
4/17/2024	1090367	35.18	
4/18/2024	1090458	29.82	
4/22/2024	1090568	35.32	
4/23/2024	1090635	27.34	
4/24/2024	1090707	30.97	
4/26/2024	1090828	30.05	188.68
5/15/2024	1091682	32.95	
5/17/2024	1091823	34.29	
5/21/2024	1091959	37.17	
5/22/2024	1092047	34.26	
5/24/2024	1092171	35.27	173.94
6/11/2024	1092996	31.07	
6/12/2024	1093049	28.55	
6/13/2024	1093115	29.05	
6/13/2024	1093115	29.05	
6/19/2024	1093363	32.75	
6/20/2024	1093426	33.43	
6/21/2024	1093490	35.94	
6/21/2024	1093517	6.97	197.76
7/9/2024	1094275	30.79	
7/11/2024	1094379	29.92	
7/12/2024	1094439	28.11	
7/17/2024	1094620	29.21	
7/18/2024	1094685	30.30	
7/19/2024		40.22	188.55
8/7/2024	1095587	30.78	
8/8/2024	1095663	32.67	
8/9/2024	1095727	8.74	
8/14/2024	1095923	33.43	
8/15/2024	1096003	31.76	
8/16/2024	1096063	34.99	172.37
9/4/2024	1096846	33.18	
9/5/2024	1096925	33.29	
9/6/2024	1096989	33.11	
9/9/2024	1097078	7.02	
9/10/2024	1097139	33.16	
9/12/2024	1097264	29.54	
9/13/2024	1097324	25.09	194.39
10/2/2024	1098192	33.87	
10/3/2024	1098319	34.08	
10/4/2024	1098260	14.43	
10/16/2024	1098776	9.24	
10/23/2024	1099082	32.84	
10/24/2024	1099155	32.66	
10/28/2024	1099318	31.49	
10/30/2024	1099452	33.22	
10/31/2024	1099522	30.96	252.79
11/1/2024	1099577	24.06	
11/5/2024	1099727	33.36	
11/7/2024	1099848	34.86	
11/8/2024	1099919	35.73	
11/13/2024	1100095	31.09	
11/14/2024	1100173	36.06	
11/15/2024	1100248	36.19	
11/19/2024	1100383	32.73	
11/20/2024	1100470	29.33	
11/22/2024	1100596	31.81	
11/25/2024	1100654	32.79	
11/26/2024	1100791	32.89	358.01
12/2/2024	1100930	30.22	
12/3/2024	1101002	27.19	
12/5/2024	1101144	27.53	
12/6/2024	1101210	26.88	
12/11/2024	1101419	30.62	
12/12/2024	1101504	27.25	
12/16/2024	1101666	26.50	
12/17/2024	1101765	33.73	
12/19/2024	1101948	33.10	
12/20/2024	1102038	33.49	
12/23/2024	1102096	32.29	
12/24/2024	1102157	31.80	
12/31/2024	1102417	33.15	393.75
TOTAL (TONS)		3573.18	
TOTAL SOLIDS WEIGHT (TONS)		657.47	597.70
		English Tons	Metric Tons
Total Costs	$ 210,129	Per Year	$ 58.81

Land Application Records- 2024

1. Zone 03 Information
2. Zone 06 Information
3. Zone 02 Information
4. Soil Sampling Results and Deep Soil Monitoring Graphs

Application Analysis for Zone 3

Total Loads 61

Zone Number	3	
	4.15	Acres
Fertilizer Required per Acre	400	lbs/acre
(Based on Cropping Values)		
(for orchard grass and alfalfa mix)		
Total Fertilizer Required	1660	lbs
Fertilizer Available in Soil	21	ppm NO3-N
Total NO3-N Available in Soil	435.75	lbs
(Five times the NO3-N in Soil)		
Net Fertilizer Required for Zone	1224.25	lbs

Anaerobic Sample - in ppm

Date	TKN (organic nitrogen)	NO3-N Nitraite+Nitrite as N	NH3-N Ammonia as N
2/17/2023	8,710	0	773
4/7/2023	6820	0.25	851
7/28/2023	7840	0.25	923
Total	23370	0.75	2547
Average	7790.0	0.3	849.00

Percent Solids:	TKN - NH3-N=organic N ppm
5.60%	6941.0

Total Available Nitrogen - Anaerobic Biosolids

Load Volume	1300	gal
Weight per gallon	8.35	lbs.
Specific Gravity	1.025	
Weight per Load	11126	lbs
NH4-N Concentration	849	ppm
Volatilization Factor - Kv	50%	
Fertilizer Value per Load	4.7	lbs
Organic Nitrogen Concentration (TKN-NH4-N)	6941.0	ppm
Mineralization Rate	20%	
Organic - N per Load	15.4	lbs
NO3 Concentration	0.3	ppm
NO3-N per Load	0.0	lbs
Total Available Nitrogen per Load	20.2	lbs

Date Application Began: ***1/1/2024***

Date Application Ended: ***3/28/2024***

Load Analysis

fertilizer required	1224.25	lbs
nitrogen per load	20.2	lbs
Total Loads - Calc	**61**	

Whole Sludge Application Rate Analysis - Calculated

Application Acres	4.15	
Loads Per Acre	15	
Percent Solids	5.6%	
Solids Per Load	623	lbs
Application Rate	4.6	tons/acre
Metric Rate	10.2	MT/Ha

Whole Sludge Application Rate Analysis - Actual

Total Loads Applied	54	
Loads Per Acre	13.0	
Application Rate	4.1	tons/acre
Metric Rate	9.1	MT/Ha

Biosolids Application Record - Zone 03

Maximum Applied Loads - 61 (stop @ 55 loads)

Date	# Loads	Cummulative Loads	Inspection time	Operator	Signature
1/1/24	-	18 from 2023	10:00Am	JC	
1-29-24	1	19	10:45Am	WJ	WJ
2-2-24	4	23	12:30	WJ	WJ
2-5-24	6	29	1405pm	JC	
2-9-24	4	33	2:30pm	Jace	
2-12-24	6	39	2:29PM	Wesley	WJ
2-16-24	4	43	1:20PM	Wesley	WJ
2-20-24	6	49	2:30pm	Cannon	JC
3-28-24	5	54	2:09 PM	Wesley	WJ
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CENTRAL DAVIS SEWER DISTRICT

Application Analysis for Zone 6

Total Loads 213

Zone Number	6	
	13.48	Acres
Fertilizer Required per Acre	400	lbs/acre
(Based on Cropping Values)		
(for orchard grass and alfalfa mix)		
Total Fertilizer Required	5392	lbs
Fertilizer Available in Soil	15	ppm NO3-N
Total NO3-N Available in Soil	1011	lbs
(Five times the NO3-N in Soil)		
Net Fertilizer Required for Zone	4381	lbs

Anaerobic Sample - in ppm

Date	TKN (organic nitrogen)	NO3-N Nitraite+Nitrite as N	NH3-N Ammonia as N
4/7/2023	8710	0	773
7/28/2023	7840	0.25	923
10/16/2023	7250	0.25	923
Total	23800	0.5	2619
Average	7933.3	0.2	873.00

Percent Solids:	TKN - NH3-N=organic N ppm
5.90%	7060.3

Total Available Nitrogen - Anaerobic Biosolids

Load Volume	1300	gal
Weight per gallon	8.35	lbs.
Specific Gravity	1.025	
Weight per Load	11126	lbs
NH4-N Concentration	873	ppm
Volatilization Factor - Kv	50%	
Fertilizer Value per Load	4.9	lbs
Organic Nitrogen Concentration (TKN-NH4-N)	7060.3	ppm
Mineralization Rate	20%	
Organic - N per Load	15.7	lbs
NO3 Concentration	0.2	ppm
NO3-N per Load	0.0	lbs
Total Available Nitrogen per Load	20.6	lbs

Load Analysis

fertilizer required	4381	lbs
nitrogen per load	20.6	lbs
Total Loads - Calc	**213**	

Whole Sludge Application Rate Analysis - Calculated

Application Acres	13.48	
Loads Per Acre	16	
Percent Solids	5.9%	
Solids Per Load	656	lbs
Application Rate	5.2	tons/acre
Metric Rate	11.6	MT/Ha

Whole Sludge Application Rate Analysis - Actual

Total Loads Applied	203	
Loads Per Acre	15.1	
Application Rate	4.9	tons/acre
Metric Rate	11.1	MT/Ha

Date Application Began: ***2/26/2024***

Date Application Ended: ***12/16/2024***

Biosolids Application Record - Zone 06

@40001bs *Maximum Applied Loads - 213*

Date	# Loads	Cummulative Loads	Inspection time	Operator	Signature
3-26-24	5	5	1:02Pm	Wesley	WJ
3-1-24	5	10	105pm	Canada	JC
3-4-24	4	14	11:58am	Wesley	WJ
3-8-24	6	20	12:59pm	Wesley	WJ
3-11-24	6	26	2:00pm	Wesley	WJ
3-15-24	5	31	12:00pm	Wesley	WJ
3-18-24	6	37	2:06pm	Wesley	WJ
3-22-24	6	43	3:03pm	Wesley	WJ
3-25-24	8	51	3:42	Wesley	WJ
3-26-24	7	58	3:58	Wesley	WJ
3-29-24	4	62	1:30pm	Wesley	WJ
4-1-24	7	69	3:00pm	Wesley	WJ
4-4-24	7	76	3:01pm	Wesley	WJ
4-8-24	4	80	1:30pm	Wesley	WJ
4-12-24	7	87	3:16pm	Wesley	WJ
4-15-24	5	92	1:50pm	Wesley	WJ
4-19-24	8	100	4:04pm	Wesley	WJ
4-22-24	6	106	3:10pm	Wesley	WJ
4-26-24	5	111	2:06pm	Wesley	WJ
4-29-24	5	116	1:58pm	Wesley	WJ

Biosolids Application Record - Zone 06

Maximum Applied Loads - 213

Date	# Loads	Cummulative Loads	Inspection time	Operator	Signature
5-3-24	7	123	2:55pm	Wesley	WJ
5-6-24	4	127	2:18pm	Wesley	WJ
5-10-24	7	134	3:19pm	Wesley	WJ
5-13-24	6	140	3:32pm	Wesley	WJ
5-17-24	5	145	2:39pm	Wesley	WJ
5-20-24	5	150	3:11pm	Wesley	WJ
5-24-24	6	156	4:17pm	Wesley	WJ
10-28-24	2	158	2:20pm	Wesley	WJ
10-31-24	1	159	2:05pm	Jace	Jace
11-13-24	3	162	2:00pm	Wesley	WJ
11-22-24	4	166	12:07pm	Wesley	WJ
11-25-24	6	172	2:47pm	Wesley	WJ
11-29-24	7	179	2:00pm	Wesley	WJ
12-2-24	6	185	1:50pm	Wesley	WJ
12-6-24	4	189	12:40pm	Wesley	WJ
12-9-24	6	195	1:00pm	Wesley	WJ
12-13-24	6	201	1:40pm	Wesley	WJ
12-16-24	2	203	10:21am	Wesley	WJ

*Stop @ 203 loads

Application Analysis for Zone 2

Total Loads 54

Zone Number	2	
	3.12	Acres
Fertilizer Required per Acre	400	lbs/acre
(Based on Cropping Values)		
(for orchard grass and alfalfa mix)		
Total Fertilizer Required	1248	lbs
Fertilizer Available in Soil	15	ppm NO3-N
Total NO3-N Available in Soil	234	lbs
(Five times the NO3-N in Soil)		
Net Fertilizer Required for Zone	1014	lbs

Anaerobic Sample - in ppm

Date	TKN (organic nitrogen)	NO3-N Nitraite+Nitrite as N	NH3-N Ammonia as N
11/25/2024	6,240	1.0	664
7/15/2024	8360	0.25	620
4/22/2024	7430	1.9	860
Total	22030	3.15	2144
Average	7343.3	1.1	714.67

Percent Solids:	TKN - NH3-N=organic N ppm
15.70%	6628.7

Total Available Nitrogen - Anaerobic Biosolids

Load Volume	1300	gal
Weight per gallon	8.35	lbs.
Specific Gravity	1.025	
Weight per Load	11126	lbs
NH4-N Concentration	715	ppm
Volatilization Factor - Kv	50%	
Fertilizer Value per Load	4.0	lbs
Organic Nitrogen Concentration (TKN-NH4-N)	6628.7	ppm
Mineralization Rate	20%	
Organic - N per Load	14.8	lbs
NO3 Concentration	1.1	ppm
NO3-N per Load	0.0	lbs
Total Available Nitrogen per Load	18.7	lbs

Date Application Began: ***12/16/2024***

Date Application Ended: ***1/10/2025***

Load Analysis

fertilizer required	1014	lbs
nitrogen per load	18.7	lbs
Total Loads - Calc	**54**	

Whole Sludge Application Rate Analysis - Calculated

Application Acres	3.12	
Loads Per Acre	17	
Percent Solids	15.7%	
Solids Per Load	1747	lbs
Application Rate	15.1	tons/acre
Metric Rate	34.0	MT/Ha

Whole Sludge Application Rate Analysis - Actual

Total Loads Applied	51	
Loads Per Acre	16.3	
Application Rate	14.3	tons/acre
Metric Rate	32.0	MT/Ha

Biosolids Application Record - Zone 2

Maximum Applied Loads - 54

Date	# Loads	Cummulative Loads	Inspection time	Operator	Signature
12-16-24	3	3	11:40Am	Wesley	WJ
12-20-24	7	10	2:00 Pm	Wesley	WJ
12-23-24	9	19	2:00Pm	Wesley	WJ
12-27-24	6	25	1:50Pm	Wesley	WJ
12-30-24	6	31	11:40Am	Wesley	WJ
1-3-25	7	38	1:00Pm	Wesley	WJ
1-6-25	6	44	12:30Pm	Wesley	WJ
1-10-25	7	51	2:00Pm	Wesley	WJ

2024 Soil Sampling

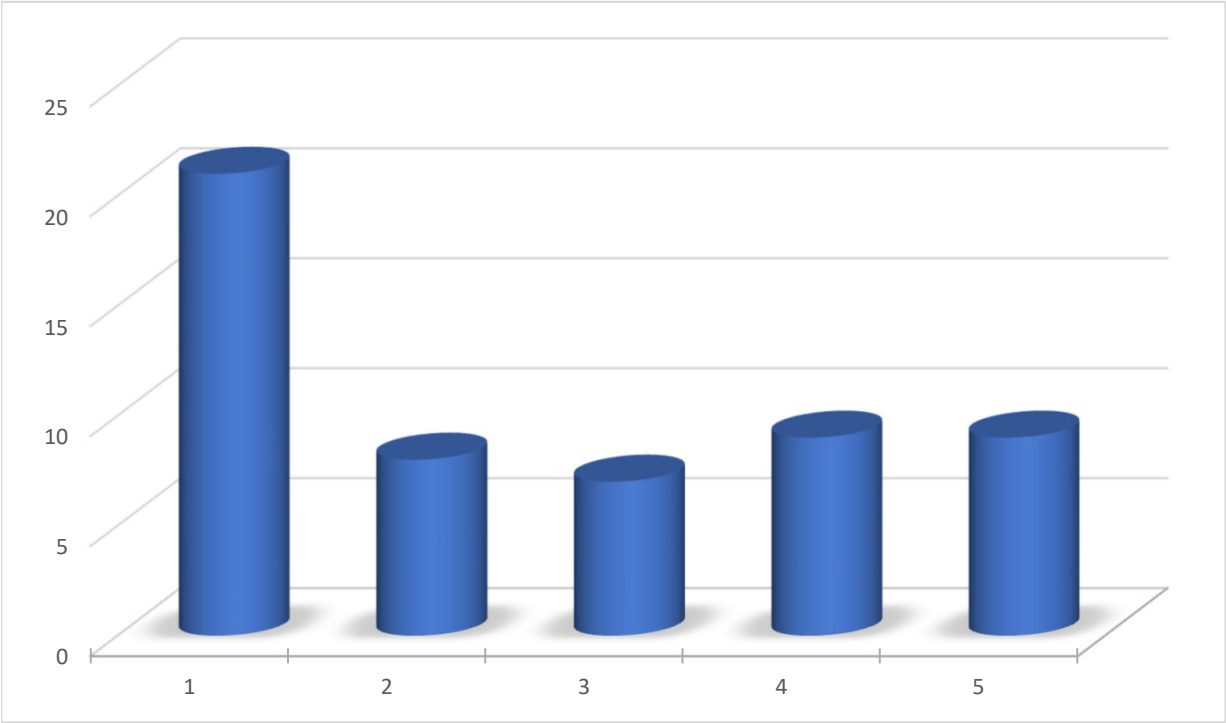
QA Consulting and Testing, LLC
PO Box 627
Salem, Utah 84653

801-423-1116

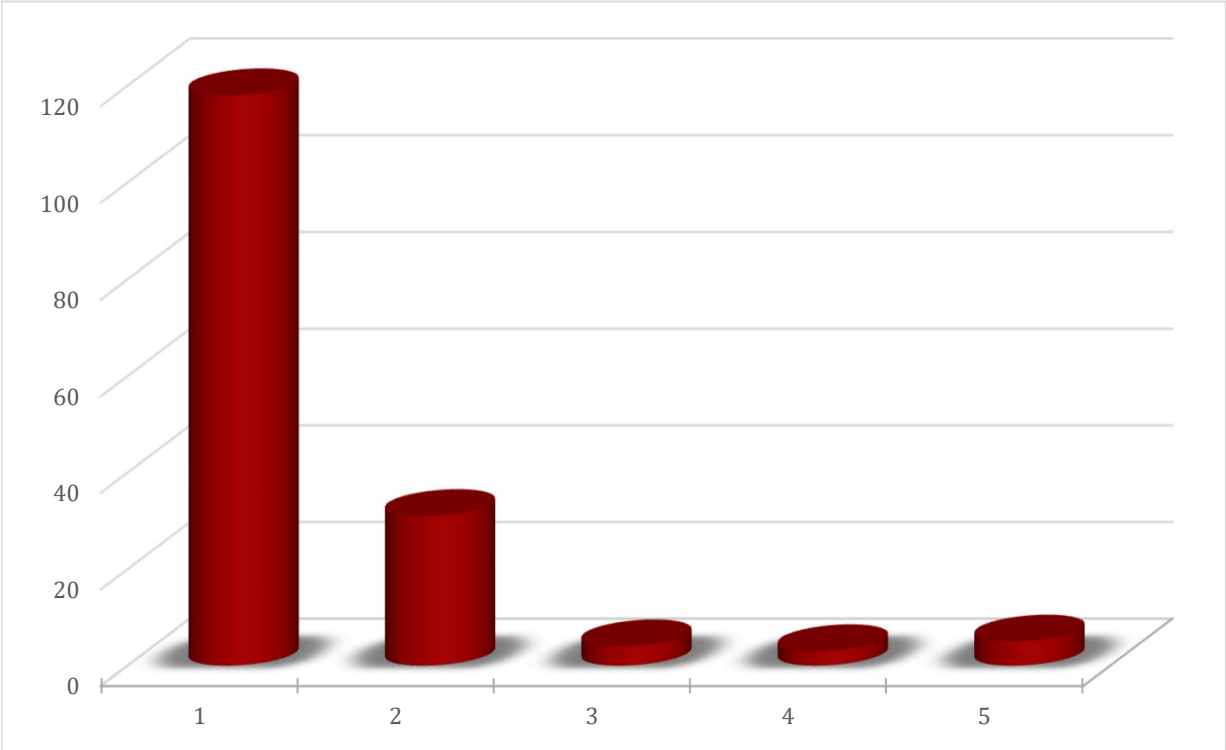
Name: Von Isaman

Date: December 20, 2024	AB-DTPA Extract Method	Chromotropic Acid Method
Customer Sample ID	ppm P	ppm NO3-N
Composite D 0/1	118.00	21.00
Composite D 1/2	31.00	8.00
Composite D 2/3	4.00	7.00
Composite D 3/4	3.00	9.00
Composite D 4/5	5.00	9.00
Composite Surface Sample	84.00	25.00

CDSD - 2024 Composite Deep Soil Sampling- to Confining Layer

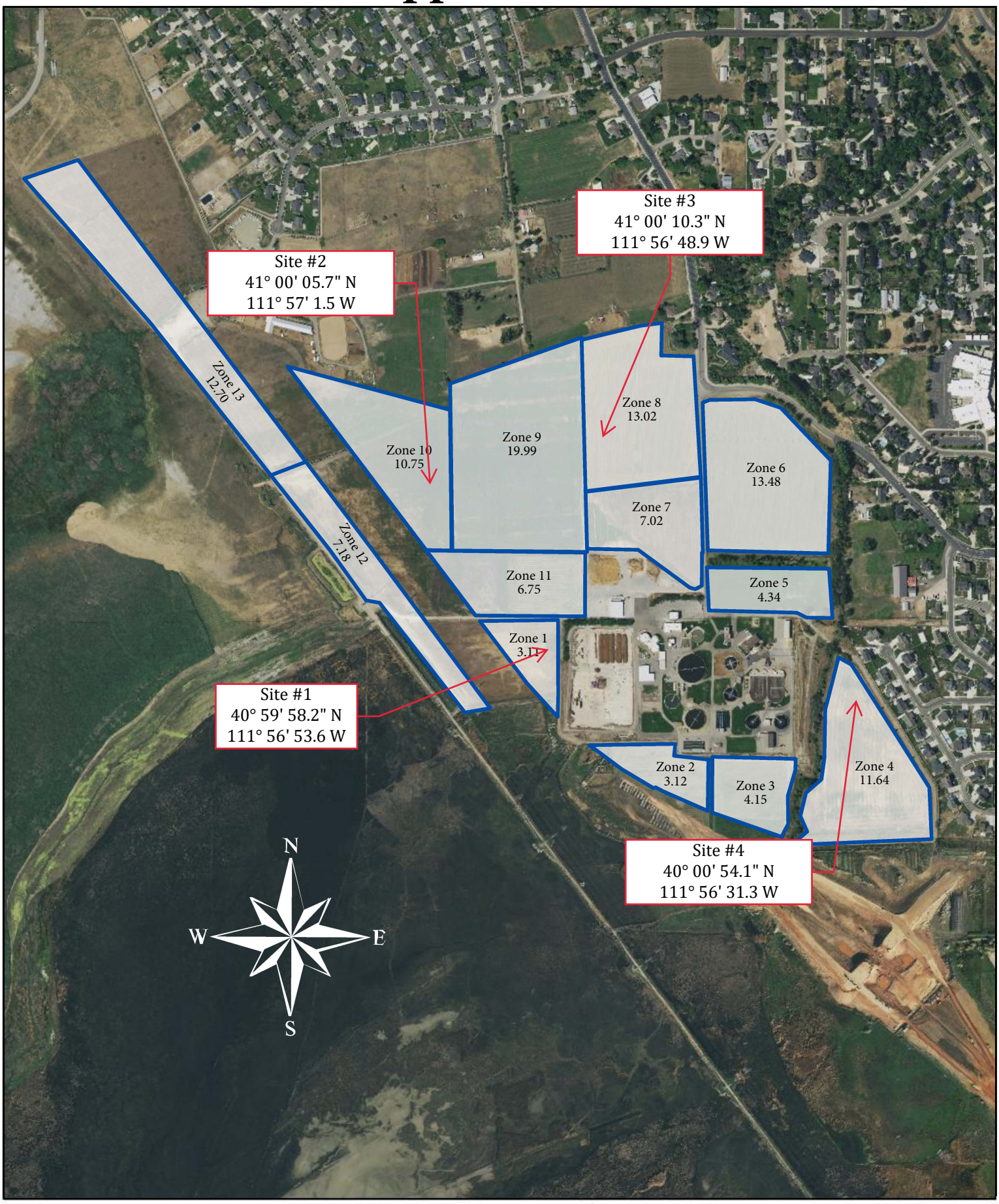


Nitrates



Phosphorus

Land Application Zones



Created 2022

Sampled on December 20, 2024

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National Biosolids Partnership Annual Reports 2024

1. Biosolids Management Report
2. Management Review

Central Davis Sewer District
2024 Biosolids Management Report

In the past this report was provided to fulfill the requirement in Element 15 of the District's Biosolids EMS System. However, due to the lack of support for the Environmental Management System Program by the National Biosolids Partnership at this time the program has been converted from a living document to a dormant document.

This will be reevaluated at a future date when NBP decides to support the program again.

Majority of the information found in this report can be found in the narrative of the Biosolids Report.

Central Davis Sewer District

Period: January 1, 2024 to December 31, 2024
Review Conducted by Jill S. Jones

February 5, 2025

Annual Activities – Management Review

District Management has reviewed the 2024 Biosolids Report, the report will be presented to the Board on February 13, 2025.

Due to the lack of support for the Environmental Management System Program by the National Biosolids Partnership at this time the program has been converted from a living document to a dormant document.

This will be reevaluated at a future date when NBP decides to support the program again.

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RESOLUTION NO. 2025-02-01

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE CENTRAL DAVIS SEWER DISTRICT ADOPTING THE 2024 ANNUAL BIOSOLIDS REPORT FOR THE DISTRICT

WHEREAS, the Central Davis Sewer District is required by its EMS, by its UPDES permit, and by 40 CFR Part 503 to approve the Annual Biosolids Report for 2024; and

WHEREAS, the 2024 Annual Biosolids Report has been distributed to Board members for review prior to the February 13, 2025 Board Meeting.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE CENTRAL DAVIS SEWER DISTRICT AS FOLLOWS:

Section 1. **Approval of the 2024 Biosolids Annual Report.** The Board of Trustees of the Central Davis Sewer District hereby accepts and approves the 2024 Annual Biosolids Report.

Section 2. **Chair Authorized to Sign**. The Board of Trustees of the Central Davis Sewer District hereby authorizes the Chair of the Board of Trustees to sign and execute this resolution on behalf of Central Davis Sewer District.

Section 3. **Effective Date.** This Resolution shall become effective immediately upon its passage.

PASSED AND ADOPTED BY THE BOARD OF TRUSTEES OF THE CENTRAL DAVIS SEWER DISTRICT ON THIS 13th DAY OF February 2025.

CENTRAL DAVIS SEWER DISTRICT

ATTEST:

_____ By:_____

Clerk Chair, Board of Trustees