



FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT

Member of Wyoming Solid Waste and Recycling Association (WSWRA)

P.O. Box 1400
Lander, WY 82520
telephone 307.332.7040
fax 307.332.5013
trashmatters.org

MEETING AGENDA

FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT
BOARD OF DIRECTORS – REGULAR MEETING
December 15, 2022 - 9:30 a.m.

1. PRELIMINARY ITEMS:

- a. Pledge of Allegiance
- b. Roll Call: Michael Adams, Mandy Rose, Rick Klapproth, Mark Moxley, Rob Dolcater, Rod Haper, Jennifer Lamb, Robert Townsend, and Kyle Larson
- c. Declaration of Quorum
- d. Approval of Agenda (*Discussion and Formal Action*)
- e. Public Comment / Communication from the Floor

2. CONSENT ITEMS:

- a. Approval of the Meeting Minutes
 - i. November 2022
- b. Approval of the Accounts Payable
 - i. November 2022
- c. Acceptance of Consultants and Agreement Reports
 - i. Trihydro Corporation
 - ii. Burns and McDonnell
 - iii. Wind River Inter-Tribal Solid Waste – *no report submitted*
- d. Acceptance of Staff Reports
 - i. Superintendent Report

3. BUSINESS ITEMS:

- a. Financial Audit Report – Carver, Florek & James, CPA's (*Discussion and Formal Action*)
**Note: they will be bringing hard copies for all Board members, so do not print out a hard copy.*
- b. Task Order Request (*Discussion and Formal Action*)
 - i. Burns and McDonnell
 1. Authorization 44: not-to-exceed \$27,000 (applying \$22,000 for a new Task Order "Strategic Plan Follow-Up", and \$5,000 additional for "Technical Assistance").
- c. Replacement Dozer – Bid Reviews (*Discussion and Formal Action*)
- d. Roll-Off Containers – Bid Reviews (*Discussion and Formal Action*)
- e. Used Front-End Loaders – Bid Reviews (*Discussion and Formal Action*)
- f. Public Communication Plan – Planning Committee Update (*Discussion*)
- g. Tire Management – Report Review (*Discussion and Formal Action*)
- h. Plaque of Appreciation (*Discussion*)
- i. Safety Award (*Discussion and Formal Action*)

4. NEW BUSINESS

5. CLOSING ITEMS:

- a. Upcoming Meeting(s):
 - i. The next Regularly Scheduled Meeting(s): January 16, 2023, at 9:30 a.m.
- b. Call for Adjournment



FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT

Member of Wyoming Solid Waste and Recycling Association (WSWRA)

P.O. Box 1400
Lander, WY 82520
telephone 307.332.7040
fax 307.332.5013
trashmatters.org

FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT

Minutes of Regular Board Meeting

November 16, 2022

1. PRELIMINARY ITEMS:

a. – c. The regular meeting of the Fremont County Solid Waste Disposal District Board of Directors was held on the above date and called to order by CHAIRMAN MOXLEY at 9:30am. CHAIRMAN MOXLEY then led the Pledge of Allegiance and declared that there was a quorum of the Board with the following people in attendance:

- Board Members: Robert Townsend, Mandy Rose, Mark Moxley , Rob Dolcater, Jen Lamb, Rod Haper, and Kyle Larson
- Excused Member(s): Michael Adams and Rob Dolcater
- Unexcused Member(s): *no unexcused members*
- Commissioner Liaison: Mike Jones
- Community Liaisons: *no community liaisons*
- Attorney: Rick Sollars
- Staff: Superintendent Andy Frey
- Consultant(s): Matt Evans via Zoom (Burns and McDonnell)
- Guest(s): *no guests present*

d. Approval of Agenda

SECRETARY/TREASURER LAMB made a motion to approve the consent agenda, removing the Trihydro Report and the Superintendent’s Report for discussion. MANDY ROSE seconded the motion. **MOTION CARRIED**

e. Public Comment/Communication from the Floor

CHAIRMAN MOXLEY opened the floor to public comment. Hearing no public comment, the public comment was closed.

2. CONSENT ITEMS:

a. Approval of Prior Meeting Minutes

- i. October 2022 Regular Meeting

b. Approval of Accounts Payable

- i. October 2022 Invoices

c. Acceptance of Consultants Reports:

- i. Trihydro Corporation – Progress Report → **Removed for Discussion**

Discussion: The points of compliance at the Sand Draw Landfill are very near the edge of waste and the District will need to work on acquiring additional land to allow these to be moved out to 150 meters.

- ii. Burns and McDonnell – Progress Report
- iii. Wind River Indian Reservation Inter-Tribal Solid Waste Program – No Report Submitted

d. Acceptance of Staff Reports:

- iv. Superintendent Report → **Removed for Discussion**

Discussion: The Technical Assistance task order with Burns and McDonnell was referenced as having been used heavily for the additional work requested to assist with the upcoming public communication and for extra work requested by Board members to look at moving up the transition to Sand Draw.

RICK KLAPROTH made a motion to approve the Trihydro and Superintendent's reports. BOB TOWNSEND seconded the motion. **MOTION CARRIED**

3. **BUSINESS ITEMS:**

a. **Lander Transfer Station Update – Burns and McDonnell (*Discussion*)**

Matt Evans provided follow-up from the last meeting. (1.) The cost associated with allowing commercial hauler and construction waste at the new Lander Transfer Station would increase the operational costs by \$15 per ton based on current operational costs. (2.) The cost associated with operating a new transfer station in Riverton would require at least a \$3 million expense associated for the building and \$1 million per year increase in cost associated with additional staff, waste hauling and maintenance. This would require an additional \$35 per ton. (3.) Work continues on the Lander Transfer Station design – the soil boring have been taken and will be used to design the foundation. The building dimensions will be 110-ft by 100-ft. Design will be complete in January 2023, bid in February or March 2023.

b. **Scalehouse Project Update – Burns and McDonnell (*Discussion*)**

Matt Evans provided an update on the project. Burns and McDonnell are waiting for material submittals from Alexander Construction. The buildings will be delivered in May 2023.

c. **Used Front-End Loaders – Sale/Trade Discussions (*Discussion and Formal Action*)**

Superintendent Frey reported that the District is now in receipt of the two new front-end loaders and now the District will need to decide how to handle the sale of the two machines that were replaced. The two machines are a 2014 Caterpillar 924K with approximately 10,000 hours and a 2005 Caterpillar IT-14 with approximately 13,000 hours. Both machines have been well maintained and will serve as good machines for a non-production based second life. Wyoming Machinery has offered \$45,000 on the 924K, and \$16,500 on the IT-14.

Their offer on the 924K seems in line with the value; however, the IT-14 should be able to be sold locally for a higher value.

Superintendent Frey recommended offering the machines for sale through a sealed bid process. If the sealed bids come in lower than the Wyoming Machinery offer, the District could always accept the trade offers.

RICK KLAPROTH made a motion to approve the recommendation. SECRETARY/TREASURER LAMB seconded the motion. **MOTION CARRIED**

d. **Public Communication Plan – Planning Committee (*Discussion*)**

SECRETARY/TREASURER LAMB updated the Board on the Planning Committee's efforts to date. The PSA was provided to the group for review and comment. A Q&A is also being developed.

e. **Superintendent Replacement (*Discussion*)**

CHAIRMAN MOXLEY led the discussion, suggesting that the District should maintain the PE requirement as it demonstrates competence to the regulatory community and the public. Further, the requirement for solid waste experience is a necessity.

Discussion: Applications will be reviewed as they are received. Include within the advertisement that the starting salary range begins at \$85,000.

4. NEW BUSINESS

- a. Mike McDonald: RICK KLAPROTH informed the group that he was able to attend Mr. McDonald's funeral and represented the District. It was said that Mr. McDonald was a great Board member and fisherman.
- b. FCSWDD Christmas Party: Superintendent Frey informed the Board that the District's Christmas party was scheduled for December 10, 2022, at 6:00pm.
- c. Board Member Positions: Superintendent Frey reminded the Board that three members have their term expiring at the year-end and will need to re-apply with the Becky Enos if interested in staying on.
- d. Budget Discussions: Superintendent Frey discussed with the Board the Burns and McDonnell task order overutilization associated with the additional work requests made by the Board associated with the Strategic Plan and Planning Committee. The additional workload had been charged to the Technical Assistance task order; however, that has consumed the majority of that task order and that there is half of the fiscal year remaining.

Discussion: The Board suggested that Burns and McDonnell be requested to submit a change order or new task order to allow the Technical Assistance task order remain for future assistance needs.

5. CALL FOR ADJOURNMENT

Discussion: Possible travel associated with the Christmas holiday led to a suggestion of moving the December Board meeting date to December 16, 2022. All agreed.

ROD HAPER made a motion to adjourn the meeting at 11:29am. BOB TOWNSEND seconded the motion. **MOTION CARRIED**

6. UPCOMING MEETING(S):

- a. **The next Regularly Scheduled Meeting: December 15, 2022, at 9:30 a.m.**

Respectfully submitted by,

Andrew Frey, P.E.
Superintendent of Operations
Fremont County Solid Waste Disposal District

Mark Moxley
Board of Director's Chairman
Fremont County Solid Waste Disposal District

Fremont County Solid Waste Disposal District
Balance Sheet
As of November 30, 2022

	<u>Nov 30, 22</u>
ASSETS	
Current Assets	
Checking/Savings	
122105 · Petty Cash	300.00
122106 · Transfer Station Cash	400.00
122107 · Scale House Cash	1,700.00
123110 · CB&T Checking	144,144.63
123115 · Edward Jones Investments	13,087,295.74
123120 · Bank of Jackson Hole	213,108.04
123130 · Wyo Star	1,180,001.39
123132 · Wyo Star II	5,523,413.64
123134 · Wyoming Community Bank	1,895,592.81
Total Checking/Savings	<u>22,045,956.25</u>
Accounts Receivable	
133141 · Accounts Rec - User Fees	186,024.05
Total Accounts Receivable	<u>186,024.05</u>
Other Current Assets	
122125 · Undeposited Funds	15,713.80
132155 · Grant Receivable	30.00
136146 · Interest Receivable	3,675.82
165158 · Prepaid expenses	6,249.00
Total Other Current Assets	<u>25,668.62</u>
Total Current Assets	<u>22,257,648.92</u>
TOTAL ASSETS	<u><u>22,257,648.92</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	93,099.70
Total Liabilities	<u>93,099.70</u>
Equity	
32000 · Unrestricted Net Assets	2,971,005.78
380860 · Cash Reserve	750,000.00
380970 · Closure/Post-Closure Reserve	18,155,822.00
Net Income	287,721.44
Total Equity	<u>22,164,549.22</u>
TOTAL LIABILITIES & EQUITY	<u><u>22,257,648.92</u></u>

Type	Date	Num	Name	Account	Debit	Credit
Nov 22						
Bill Pmt -Check	11/17/2022	31718	Secretary of State	123110 · CB&T C...		120.00
Bill Pmt -Check	11/17/2022	31718	Secretary of State	215150 · Account...	120.00	
Bill Pmt -Check	11/16/2022	31662	307 Fixlt, Inc.	123110 · CB&T C...		7,417.08
Bill Pmt -Check	11/16/2022	31662	307 Fixlt, Inc.	215150 · Account...	7,417.08	
Bill Pmt -Check	11/16/2022	31663	71 Construction	123110 · CB&T C...		1,297.53
Bill Pmt -Check	11/16/2022	31663	71 Construction	215150 · Account...	1,297.53	
Bill Pmt -Check	11/16/2022	31664	Ace Hardware-Lander	123110 · CB&T C...		13.99
Bill Pmt -Check	11/16/2022	31664	Ace Hardware-Lander	215150 · Account...	13.99	
Bill Pmt -Check	11/16/2022	31665	Atlas Office Products, Inc.	123110 · CB&T C...		251.42
Bill Pmt -Check	11/16/2022	31665	Atlas Office Products, Inc.	215150 · Account...	251.42	
Bill Pmt -Check	11/16/2022	31666	B & T Fire Extinguishers, Inc.	123110 · CB&T C...		248.50
Bill Pmt -Check	11/16/2022	31666	B & T Fire Extinguishers, Inc.	215150 · Account...	248.50	
Bill Pmt -Check	11/16/2022	31667	Bailey Enterprises, Inc.	123110 · CB&T C...		17,353.25
Bill Pmt -Check	11/16/2022	31667	Bailey Enterprises, Inc.	215150 · Account...	17,353.25	
Bill Pmt -Check	11/16/2022	31668	Baldwin Creek Rental Center	123110 · CB&T C...		120.00
Bill Pmt -Check	11/16/2022	31668	Baldwin Creek Rental Center	215150 · Account...	120.00	
Bill Pmt -Check	11/16/2022	31669	Black Hills Energy	123110 · CB&T C...		36.83
Bill Pmt -Check	11/16/2022	31669	Black Hills Energy	215150 · Account...	36.83	
Bill Pmt -Check	11/16/2022	31670	Bob's Truck Repair, Inc	123110 · CB&T C...		317.78
Bill Pmt -Check	11/16/2022	31670	Bob's Truck Repair, Inc	215150 · Account...	317.78	
Bill Pmt -Check	11/16/2022	31671	Bomgaars	123110 · CB&T C...		205.39
Bill Pmt -Check	11/16/2022	31671	Bomgaars	215150 · Account...	205.39	
Bill Pmt -Check	11/16/2022	31672	Boyle Electric, Inc.	123110 · CB&T C...		306.26
Bill Pmt -Check	11/16/2022	31672	Boyle Electric, Inc.	215150 · Account...	306.26	
Bill Pmt -Check	11/16/2022	31673	Bull's Service & Towing	123110 · CB&T C...		103.72
Bill Pmt -Check	11/16/2022	31673	Bull's Service & Towing	215150 · Account...	103.72	
Bill Pmt -Check	11/16/2022	31674	Burns & McDonnell	123110 · CB&T C...		82,593.11
Bill Pmt -Check	11/16/2022	31674	Burns & McDonnell	215150 · Account...	82,593.11	
Bill Pmt -Check	11/16/2022	31675	Carroll Septic Service Corporation	123110 · CB&T C...		130.00
Bill Pmt -Check	11/16/2022	31675	Carroll Septic Service Corporation	215150 · Account...	130.00	
Bill Pmt -Check	11/16/2022	31676	CenturyLink	123110 · CB&T C...		721.89
Bill Pmt -Check	11/16/2022	31676	CenturyLink	215150 · Account...	721.89	
Bill Pmt -Check	11/16/2022	31677	Coca-Cola Bottling Company High C...	123110 · CB&T C...		57.75
Bill Pmt -Check	11/16/2022	31677	Coca-Cola Bottling Company High C...	215150 · Account...	57.75	
Bill Pmt -Check	11/16/2022	31678	Community Entry Service	123110 · CB&T C...		5,421.88
Bill Pmt -Check	11/16/2022	31678	Community Entry Service	215150 · Account...	5,421.88	
Bill Pmt -Check	11/16/2022	31679	Drug Testing Services, LLC	123110 · CB&T C...		475.00
Bill Pmt -Check	11/16/2022	31679	Drug Testing Services, LLC	215150 · Account...	475.00	
Bill Pmt -Check	11/16/2022	31680	Dry Mountain Water Inc.	123110 · CB&T C...		975.00
Bill Pmt -Check	11/16/2022	31680	Dry Mountain Water Inc.	215150 · Account...	975.00	
Bill Pmt -Check	11/16/2022	31681	Dubois Telephone Exchange (DTE) ...	123110 · CB&T C...		97.40
Bill Pmt -Check	11/16/2022	31681	Dubois Telephone Exchange (DTE) ...	215150 · Account...	97.40	
Bill Pmt -Check	11/16/2022	31682	Eagle Uniform Supply, Inc.	123110 · CB&T C...		356.70
Bill Pmt -Check	11/16/2022	31682	Eagle Uniform Supply, Inc.	215150 · Account...	356.70	
Bill Pmt -Check	11/16/2022	3292	Eastern Shoshone Tribe	123110 · CB&T C...		13,274.74
Bill Pmt -Check	11/16/2022	3292	Eastern Shoshone Tribe	215150 · Account...	13,274.74	
Bill Pmt -Check	11/16/2022	31683	Fremont Communications Corporation	123110 · CB&T C...		36.00
Bill Pmt -Check	11/16/2022	31683	Fremont Communications Corporation	215150 · Account...	36.00	
Bill Pmt -Check	11/16/2022	31684	Further	123110 · CB&T C...		5,634.83
Bill Pmt -Check	11/16/2022	31684	Further	215150 · Account...	5,634.83	
Bill Pmt -Check	11/16/2022	31685	Hasco Industrial Supply	123110 · CB&T C...		2,520.28
Bill Pmt -Check	11/16/2022	31685	Hasco Industrial Supply	215150 · Account...	2,520.28	
Bill Pmt -Check	11/16/2022	31686	High Plains Power, Inc.	123110 · CB&T C...		330.88
Bill Pmt -Check	11/16/2022	31686	High Plains Power, Inc.	215150 · Account...	330.88	
Bill Pmt -Check	11/16/2022	31687	Holiday Inn Express	123110 · CB&T C...	0.00	
Bill Pmt -Check	11/16/2022	31687	Holiday Inn Express	215150 · Account...	0.00	
Bill Pmt -Check	11/16/2022	31688	Intermountain Electric Service, Inc.	123110 · CB&T C...		35.00
Bill Pmt -Check	11/16/2022	31688	Intermountain Electric Service, Inc.	215150 · Account...	35.00	
Bill Pmt -Check	11/16/2022	31689	Lander Valley Auto Parts	123110 · CB&T C...		417.02
Bill Pmt -Check	11/16/2022	31689	Lander Valley Auto Parts	215150 · Account...	417.02	
Bill Pmt -Check	11/16/2022	31690	Lobdell, Lester	123110 · CB&T C...		256.00
Bill Pmt -Check	11/16/2022	31690	Lobdell, Lester	215150 · Account...	256.00	
Bill Pmt -Check	11/16/2022	31691	Murdoch's Ranch Supply	123110 · CB&T C...		198.95
Bill Pmt -Check	11/16/2022	31691	Murdoch's Ranch Supply	215150 · Account...	198.95	
Bill Pmt -Check	11/16/2022	31692	Napa Auto Parts - Riverton	123110 · CB&T C...		792.30
Bill Pmt -Check	11/16/2022	31692	Napa Auto Parts - Riverton	215150 · Account...	792.30	
Bill Pmt -Check	11/16/2022	31693	NAPA Auto Parts of Dubois	123110 · CB&T C...		13.69
Bill Pmt -Check	11/16/2022	31693	NAPA Auto Parts of Dubois	215150 · Account...	13.69	

Fremont County Solid Waste Disposal District

Accounts Payable List

November 2022

Type	Date	Num	Name	Account	Debit	Credit
Bill Pmt -Check	11/16/2022	31694	Napa Auto Parts of Lander	123110 · CB&T C...		318.31
Bill Pmt -Check	11/16/2022	31694	Napa Auto Parts of Lander	215150 · Account...	318.31	
Bill Pmt -Check	11/16/2022	31695	Norco	123110 · CB&T C...		373.81
Bill Pmt -Check	11/16/2022	31695	Norco	215150 · Account...	373.81	
Bill Pmt -Check	11/16/2022	31696	Office Shop, Inc.	123110 · CB&T C...		150.77
Bill Pmt -Check	11/16/2022	31696	Office Shop, Inc.	215150 · Account...	150.77	
Bill Pmt -Check	11/16/2022	31697	Pitney Bowes	123110 · CB&T C...		91.29
Bill Pmt -Check	11/16/2022	31697	Pitney Bowes	215150 · Account...	91.29	
Bill Pmt -Check	11/16/2022	31698	Pro Baler Services, Inc.	123110 · CB&T C...		5,502.50
Bill Pmt -Check	11/16/2022	31698	Pro Baler Services, Inc.	215150 · Account...	5,502.50	
Bill Pmt -Check	11/16/2022	31699	Riverton Tire & Oil, Inc.	123110 · CB&T C...		525.65
Bill Pmt -Check	11/16/2022	31699	Riverton Tire & Oil, Inc.	215150 · Account...	525.65	
Bill Pmt -Check	11/16/2022	31700	Riverton, City of	123110 · CB&T C...		917.66
Bill Pmt -Check	11/16/2022	31700	Riverton, City of	215150 · Account...	917.66	
Bill Pmt -Check	11/16/2022	31701	Rocky Mountain Power	123110 · CB&T C...		3,651.84
Bill Pmt -Check	11/16/2022	31701	Rocky Mountain Power	215150 · Account...	3,651.84	
Bill Pmt -Check	11/16/2022	31702	Rocky Mountain Pre-Mix Concrete, I...	123110 · CB&T C...		3,632.63
Bill Pmt -Check	11/16/2022	31702	Rocky Mountain Pre-Mix Concrete, I...	215150 · Account...	3,632.63	
Bill Pmt -Check	11/16/2022	31703	SLB, Inc.	123110 · CB&T C...		1,975.00
Bill Pmt -Check	11/16/2022	31703	SLB, Inc.	215150 · Account...	1,975.00	
Bill Pmt -Check	11/16/2022	31704	Sutherlands	123110 · CB&T C...		16.99
Bill Pmt -Check	11/16/2022	31704	Sutherlands	215150 · Account...	16.99	
Bill Pmt -Check	11/16/2022	31705	TCI - Traveling Computers, Inc.	123110 · CB&T C...		253.00
Bill Pmt -Check	11/16/2022	31705	TCI - Traveling Computers, Inc.	215150 · Account...	253.00	
Bill Pmt -Check	11/16/2022	31706	Trihydro Corporation	123110 · CB&T C...		2,632.60
Bill Pmt -Check	11/16/2022	31706	Trihydro Corporation	215150 · Account...	2,632.60	
Bill Pmt -Check	11/16/2022	31707	Union Telephone Co., Inc.	123110 · CB&T C...		626.75
Bill Pmt -Check	11/16/2022	31707	Union Telephone Co., Inc.	215150 · Account...	626.75	
Bill Pmt -Check	11/16/2022	31708	Valley Lumber & Supply	123110 · CB&T C...		656.72
Bill Pmt -Check	11/16/2022	31708	Valley Lumber & Supply	215150 · Account...	656.72	
Bill Pmt -Check	11/16/2022		Veolia Environmental Services	123110 · CB&T C...	0.00	
Bill Pmt -Check	11/16/2022		Veolia Environmental Services	215150 · Account...	0.00	
Bill Pmt -Check	11/16/2022	31709	Western Law Associates, P.C.	123110 · CB&T C...		600.00
Bill Pmt -Check	11/16/2022	31709	Western Law Associates, P.C.	215150 · Account...	600.00	
Bill Pmt -Check	11/16/2022	31710	WYCO Services, LLC	123110 · CB&T C...		170.00
Bill Pmt -Check	11/16/2022	31710	WYCO Services, LLC	215150 · Account...	170.00	
Bill Pmt -Check	11/16/2022	31711	Wyoming Dept. of Transportation	123110 · CB&T C...		30.00
Bill Pmt -Check	11/16/2022	31711	Wyoming Dept. of Transportation	215150 · Account...	30.00	
Bill Pmt -Check	11/16/2022	31712	Wyoming Machinery Company, Corp.	123110 · CB&T C...		3,812.57
Bill Pmt -Check	11/16/2022	31712	Wyoming Machinery Company, Corp.	215150 · Account...	3,812.57	
Bill Pmt -Check	11/16/2022	31713	Wyoming.com (vendor)	123110 · CB&T C...		210.90
Bill Pmt -Check	11/16/2022	31713	Wyoming.com (vendor)	215150 · Account...	210.90	
Bill Pmt -Check	11/16/2022	31714	Huff Sanitation Inc.	123110 · CB&T C...		186.00
Bill Pmt -Check	11/16/2022	31714	Huff Sanitation Inc.	215150 · Account...	186.00	
Bill Pmt -Check	11/16/2022	31715	Lander, City of (vendor)	123110 · CB&T C...		600.32
Bill Pmt -Check	11/16/2022	31715	Lander, City of (vendor)	215150 · Account...	600.32	
Bill Pmt -Check	11/16/2022	31716	Riverton Ranger Inc.	123110 · CB&T C...		602.00
Bill Pmt -Check	11/16/2022	31716	Riverton Ranger Inc.	215150 · Account...	602.00	
Bill Pmt -Check	11/16/2022	31717	U.S. Bank	123110 · CB&T C...		156.12
Bill Pmt -Check	11/16/2022	31717	U.S. Bank	215150 · Account...	156.12	
					169,823.60	169,823.60



memorandum

To: Andy Frey, P.E., Superintendent, Fremont County SWDD
From: Scott Lee, P.E.
cc: Fremont County SWDD Board
Date: December 12, 2022
Re: Project Updates for December 19, 2022 Board Meeting

The following information is provided to update the Board of the Fremont County Solid Waste Disposal District (District) regarding the status of various projects that are being managed by Trihydro Corporation (Trihydro), and associated activities associated with the Wyoming Department of Environmental Quality (WDEQ), Solid and Hazardous Waste Division (SHWD), Water Quality Division (WQD), and Air Quality Division (AQD). The information provided is generally limited to activity during the previous month.

Sand Draw, Shoshoni, Lander, and Dubois Landfills – 2022-2023 Environmental Activities and Monitoring (Task Order 10-032 / Trihydro Project 09Y-008-008)

Activities associated with this work order during the previous month and anticipated in the near future include:

- Final laboratory reports were received for the Dubois, Shoshoni, and Sand Draw Landfills. Data were uploaded, validated, and are now in line for statistical analysis. Reporting is also underway.
- The laboratory report for Lander was also received, and we are working through some adjustments with the lab based on our initial data validation. Once a revised report is received, we will continue with data validation, statistical analysis, and reporting.

Technical Assistance (Task Order 10-033 / Trihydro Project 09Y-005-009)

Technical assistance activities during the previous month are as follows:

- A monthly Board memo was prepared for the November 2022 District Board meeting.
- Modifications to permitted Environmental Monitoring Plans were prepared for each facility, and Trihydro met with Mr. Andy Frey to review. Revised documents were prepared and sent to WDEQ on Wednesday, December 7, 2022. The WDEQ has 60 days to provide feedback to the District.
- WDEQ, SHWD approved the revised Shoshoni Construction Quality Assurance Report. They provided a letter to Mr. Mark Moxley, FCSWDD Chairman, dated November 23, 2022, approving closure activities and initiating the post-closure period at the Shoshoni Landfill.



Andy Frey, FCSWDD
December 12, 2022
Page 2

Please let us know if you have any questions or need additional information. You can call me on my direct office line (307-335-3169), send me an email (slee@trihydro.com), or stop by our office at 388 Main Street, Suite C, in Lander.

END OF MEMORANDUM

Memorandum



Date: December 12, 2022
To: Andy Frey, PE, Fremont County Solid Waste Disposal District
From: Matt Evans, PE
Subject: Progress Report –December 2022

The following provides an update on work completed by Burns & McDonnell since the last Progress Report.

Capacity Audits

Surveys for the 2022 capacity audits were completed in July 2022. Capacity audit reports for the 2022-2023 FY were completed and presented to the Board at the September Board meeting.

Technical Engineering Assistance

Burns & McDonnell completed our monthly progress report, invoice and overall project management related to the administration of the project as part of this task.

Capital Improvement Plan Modeling

The CIP model has been updated with the fiscal yearend results for 2021-2022. Updated model output information was presented during the board presentations at the September and October board meetings.

Scale House Construction Project

Alexander Excavation, Inc. (Alexander) has submitted to Burns & McDonnell shop drawings of the new scale house buildings for review. Burns & McDonnell anticipates completing review by December 14, 2022.

As discussed previously, Alexander was awarded the bid for the scalehouse building manufacturing project on October 19, 2022. The installation of the scalehouses and site work at the three sites will be bid out individually by site. This will be done in an effort to make the project more attractive to bidders, since the District did not previously receive any complete bids when the sites were bid out together.

Bidding for the site work is anticipated to occur in January 2023 with bids awarded in March or April 2023. The construction project will likely begin in June 2023 following the delivery of the scalehouses.

Memorandum *(continued)*



December 12, 2022

Page 2

Lander Transfer Station

Design of the new transfer station continues. Draft construction documents are on schedule to be ready for client review by January 6, 2023.

The conceptual design submittal for the Lander Transfer Station was sent to the Superintendent for review on October 7, 2022. Geotechnical borings were conducted October 28-29, 2022. Bidding is anticipated to occur in February and March 2023 with an anticipated construction project start date of July 2023.

On-call Surveying

There is no new on-call surveying information at this time.

Burns & McDonnell appreciates the opportunity to work with the District. If there are any questions regarding this progress report or work that is being completed, please do not hesitate to contact me at 612-240-2094 or maevans@burnsmcd.com at your earliest convenience.

Fremont County Solid Waste Disposal District
Superintendent Report
December 13, 2022

Office/Staff/Board/Inter-Government

Office:

1. The calculated tonnages and cost per ton are as follows (calculated using monthly expenses and monthly tonnages):
 - a. 2013 = \$140 per ton & 31,472 total tons
 - b. 2014 = \$176 per ton & 27,562 total tons
 - c. 2015 = \$99 per ton & 31,890 total tons
 - d. 2016 = \$103 per ton & 29,659 total tons
 - e. 2017 = \$102 per ton & 33,483 total tons
 - f. 2018 = \$106 per ton & 36,352 total tons
 - g. 2019 = \$88 per ton & 41,900 total tons
 - h. 2020 = \$89 per ton & 36,200 total tons
 - i. 2021 = \$141 per ton & 35,700 total tons
 - **Note: 2021 included approximately \$1.1 million in expenses for the Shoshoni Landfill Closure project and \$457,900 in new equipment (i.e. three backhoes and a semi-tractor). Removing these two large expenditures, the annual review would be presented as \$97.91 per ton & 35,700 total tons.**
 - j. 2022 = \$128 per ton & 25,728 total tons for the first three quarters of the fiscal year
 - **Note: within this period our expenses have included the final three pay applications for the Shoshoni Landfill Closure project, inflationary price impacts, and a new front-end loader.**

Staff:

1. August 2022: Following the approval of the **Safety Incentive Program** in April 2015, and the implementation July 1, 2015, the Riverton Area staff (i.e. Riverton Transfer Station, the Sand Draw Landfill, the Shoshoni Landfill, and the rural transfer stations) have not had a single lost-time accident/incident in **7 years and 5 month**, and the Lander Area staff (i.e. Lander Landfill and the Dubois Landfill) had one lost-time accident early on but has now made it **6 years and 11 months!!**
2. November 2022: The District will be completing the **annual staff performance evaluations** in December 2022.

Board:

1. 2022 – Below is the list of **Board Committees and Members:**
 - a. Recycling Committee: Jennifer Lamb, Mandy Rose, Bob Townsend, and Mark Moxley.
 - b. Health Benefit and Wage Committee: Rob Dolcater, Mike Adams, Mark Moxley, and Rick Klapproth.
 - c. Planning Committee: Bob Townsend, Mandy Rose, Jen Lamb, and Rob Dolcater.
 - d. Budget Committee: Rick Klapproth, Jen Lamb, Rob Dolcater, and Mark Moxley.
 - e. WRIR Solid Waste Negotiations Committee: Rod Haper, Michael Adams, Mandy Rose, and Mark Moxley.
2. November 2022: Three Board positions have their term expire at the end of the year; Michael Adams, Mark Moxley, and Road Haper. Please be sure to encourage them to re-apply!

Inter-Government:

1. State – **No Updates**
2. County:
 - a. November 2022: The District has been reaching out to potential funding opportunities to assist the Atlantic City area residents with **bear-proof waste containers**. A possible funding opportunity has been identified through a program governed cooperatively by SLIB (State Land Investment Board) and the WDEQ.
3. Municipalities – **No Updates**
4. Tribal: The District continues to participate in the conference calls with **EPA and the Tribes**.

Regulatory/Engineering/Legal/General Contractors

Regulatory:

1. December 2022: The District worked with Trihydro to develop permit modification requests for the Lander Landfill, the Sand Draw Landfill, the Dubois Landfill and the closed Shoshoni Landfill. The permit modification request included a reduction in monitoring frequencies given the consistency of the past decades worth of data, as well as to only run statistics on data that is not j-flagged (meaning, that the labs and their equipment capabilities were able to identify a value instead of an estimated value since some results are less than the quantifiable limits of the equipment).
2. Trihydro: (1.) Environmental Monitoring (2.) Technical Assistance.
3. Burns and McDonnell: (1.) Capacity Audits (2.) Surveying (3.) Operational Efficiency Evaluation and Strategic Planning (4.) CIP Model Updates, (5.) Scale Facility Bidding Administration, and (6.) the Lander Transfer Station design and bidding.

Legal – No Updates

General Contractors – No Updates

Sites/Operations/Equipment:

Sites – No Updates

Operations – No Updates

Equipment – No Updates

Miscellaneous/Upcoming Work & Events/Work in Progress:

Miscellaneous – No Updates

Upcoming Work & Events – No Updates

Work in Progress – No Updates

Thank you,



Andrew Frey, P.E.

Superintendent of Operations

Fremont County Solid Waste Disposal District

FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT
Lander, Wyoming
AUTHORIZATION NO. 44
FOR SERVICES TO
BURNS & McDONNELL ENGINEERING COMPANY, INC.
Kansas City, Missouri

In accordance with the AGREEMENT FOR ENVIRONMENTAL SERVICES AND REMEDIATION dated May 20, 2014 between Fremont County Solid Waste Disposal District (hereinafter called CLIENT) and Burns & McDonnell Engineering Company, Inc. (hereinafter called CONTRACTOR), CLIENT hereby authorizes CONTRACTOR to proceed with the following services:

1. Basic Services

Basic Services are services and work which will be performed by the CONTRACTOR as requested by the Client during FY 2022-2023. This authorization is a continuation of Authorization No. 39, which was authorized at the start of FY2022-2023 for the CONTRACTOR to provide on-call technical engineering assistance. The Authorization No. 39 budget was reached in October 2022. This authorization provides additional budget for requested technical services and strategic planning follow-up for the remainder of FY 2022-2023.

1.1 Professional Services:

1.1.1 Technical Engineering Assistance: District Site/Operational Guidance & Board Reports

The CONTRACTOR shall provide operational guidance and on-call engineering services for the CLIENT's facilities as requested by the solid waste superintendent. The CONTRACTOR is expected to be familiar with the CLIENT's varying operations and permitting requirements. The CONTRACTOR will also provide a written Board Report for each regularly scheduled Board meeting (which is approximately one per month), updating the Board on all current activities. For purposes of establishing a budget for this task, an additional \$5,000 budget is assumed will be needed to complete the board reports and requested guidance and on-call engineering than initially authorized in Authorization 40 at the beginning of the 2022-2023 FY.

1.2.1 Strategic Plan Consulting Services

The CONTRACTOR shall provide strategic plan consulting services as a follow-up to the Strategic Plan preparation previously completed by the CONTRACTOR. Consulting work may include preparation of presentation materials that summarize additional operational alternatives, financial analysis using the existing CIP model, and other related strategic planning consulting. For purposes of establishing a budget for this task, a budget \$22,000 is assumed will be needed to complete the strategic plan consulting.

CONTRACTOR will proceed with providing the services set forth herein as of October 1, 2022. The services shall be completed by June 30, 2023.

1.2 Construction Work: NONE

2. Additional Services

Additional Services are services or work which may be performed by CONTRACTOR for the Project, but

which will be done at additional cost and are not included in the Project Budget. The following are Additional Services: **NONE**

3. Excluded Services

Excluded Services are services or work which will not be performed by CONTRACTOR unless CONTRACTOR specifically agrees to perform such services or work. Excluded Services include, but are not limited to: **NONE**

4. Compensation

CLIENT shall compensate CONTRACTOR for providing the services set forth herein in accordance with the terms of the existing Agreement. The cost initially authorized for the services is twenty-seven thousand dollars (\$27,000: \$5,000 tech. services + \$22,000 strategic plan follow-up) and will be invoiced to the CLIENT on a time and materials basis. The CONTRACTOR shall not exceed this amount without prior written approval of CLIENT.

COVID-19 Notification. The uncertainty and potential disruptions to the labor force and supply chain caused by the global outbreak and spread of COVID-19 (“coronavirus”) may have an impact on this Project, the exact cost and duration of which we can neither predict nor control. Government orders and restrictions may also delay or prevent performance as anticipated. Therefore, this Proposal is conditioned upon an appropriate force majeure clause being included in the contract, which will grant the contractor a period of relief in performance and appropriate cost relief where circumstances arise that are beyond our control due to COVID-19 related events. In general, force majeure applies when an “act of God,” labor shortages, governmental order or regulation, or other extraordinary event prevents performance. The outbreak and spread of COVID-19 is just such an event, the impact of which nobody can predict at this time. To the extent applicable, the doctrines of “commercial impracticability” or “frustration of purpose” under the Uniform Commercial Code (“UCC”) may also excuse performance if delivery pursuant to our contract’s terms has been made “impracticable” by the occurrence of a contingency, the non-occurrence of which both parties assumed when the contract was made. At this time, it is impossible to foresee or to predict the full impact of COVID-19 around the world and, therefore, have not included a contingency specifically for COVID-19.

AUTHORIZATION BY:


FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT

By _____

Date _____

ACCEPTED BY:

BURNS & MCDONNELL ENGINEERING COMPANY, INC.

By  _____
Spencer Cronin, Regional Manager, Environmental Services

Date 12/12/2022 _____

Fremont County Solid Waste Disposal District
Tire Management Data and Research
Revision Date: December 8, 2022

The Fremont County Solid Waste Disposal District (District) annually manages approximately 500 tons of tire waste. A portion of the tires are delivered to our sites in co-mingled loads and are not easily diverted from the landfills; however, the majority of the tires are delivered to the sites in a tire specific load. Approximately, 75% of the tires are delivered to the site are in tire specific loads. The balance of the tires received are within co-mingled loads.

Waste tires consume a far greater volume of airspace per pound than almost any other waste stream. Tires are a very unique waste with their immense material memory (i.e. they bounce back to their original shape after being compacted). Further, the shape of tires is not conducive to efficient airspace management since the center of the tire may allow waste filling, yet the core of the tire remains filled only with air. Tires are also hard on the District's landfill equipment. They get hung-up in dozer tracks and waste compactor wheel-houses.

The Sand Draw Landfill is the one District site that receives the vast majority of the tire specific loads. No other District site receives the volume of tires that the Sand Draw Landfill does; therefore, the Sand Draw Landfill is where the data has been tracked and prior pilot projects were conducted. Tire weights diverted from the Sand Draw Landfill to the Shoshoni Landfill were as follows:

<u>Fiscal Year</u>	<u>Diverted Tonnage</u>
2017-2018	430 tons
2018-2019	540 tons
2019-2020	440 tons

Within this evaluation six different tire management alternatives were evaluated. Of the six alternatives evaluated, two were based off actual field studies completed by the District, and the other four used the data from the field studies along with outside data provided.

The conclusion of the evaluation for the six different tire management alternatives, the following are the results:

<u>Tire Management Alternative</u>	<u>Cost per Ton</u>	<u>Notes/Comments</u>
Contractor tire baling	\$348	Inability to process all
Tires for reclamation landfill	\$268	Freight variability
Liberty tire	\$370	Freight variability
Shredding by a contractor	\$302	Rate variability
Shredding by the District	\$232	
Landfilling at the Sand Draw Landfill (whole tires)	\$347	

Recommendation: Work for the first 6-months of 2023 to provide notice (Public Notice) to the residents of Fremont County that the District will be adopting a new tire disposal rate of \$235 per ton effective July 1, 2023. This will require segregation of tires in loads.

This should generally only cost a family an additional \$20-\$30 per year, per vehicle, if they buy four new tires per year.

The following pages show the full calculations of the six different tire management alternatives:

- Page 3: Contractor tire baling
- Page 4: Tires for reclamation landfill
- Page 5: Liberty tire
- Page 6: Shredding by a contractor
- Pages 7-9: Shredding by the District
- Page 10: Landfilling at the Sand Draw Landfill (whole tires)

1. **Contractor Tire Baling** – the following represents the data collected in the 2015-2016 tire baling pilot project: Between 2015 and 2016 the District conducted a Tire Baling Pilot Project at the Sand Draw Landfill. As a part of this project a local contractor with a tire baling machine was hired to bale tires. Volume reduction, cost, and density were monitored to determine the value of the processing method.

- Baling Rate:
 - o Car and Light Pickup Tires \$75/ton
 - 70% could be processed
 - o Semi or Equipment Tires Could not process
 - 30% could not be processed
- Volume Reduction 50%
- Landfilling Rate \$80/ton at FCSWDD sites

Baling Costs = (500 tons) x (\$75/ton) = \$37,500

Landfill Airspace Consumption Expense (using 229-lbs/yd³ loose density)

**Note: the 229-lbs/yd³ was determined during the 2022 shredding project.*

=> Loose Volume = (500 tons x 2,000lbs/ton) / (229-lbs/yd³) = 4,367 yd³

= 70% processed = (4,367 yd³) x (70%) = 3,057 yd³ that could be processed

= 30% unprocessed = (4,367 yd³) x (30%) = 1,310 yd³ that could not be processed

=> Baled Volume = (3,057 yd³) x 50% = 1,529 yd³

=> Non-baled Volume = 1,310 yd³

=> Airspace Value at 1,200lbs/yd³ AUF and \$80/ton fee = \$48/yd³

= Baled Volume at (1,529 yd³) x (\$48/yd³) = \$73,400

= Non-baled Volume at (1,310 yd³) x (\$48/yd³) = \$62,900

Total Processing Expense = \$37,500

Airspace Expense = \$136,300

➔ **Total Management Expense = \$173,800 (i.e. \$348/ton)**

➔ **Disposal Fees Paid to the District (@ \$80/ton) = \$40,000**

➔ **Losses = \$133,800 (equates to a loss of \$268/ton)**

**Note: This process cannot handle anything larger than light car and pickup tires.*

➔ **Disposal Fee to Cover all Costs = \$348 per ton**

2. **Tires for Reclamation** – a landfill located near Laurel, Montana committed to waste tire landfilling. The estimated remaining life at this landfill is 30-years. Management costs associated with this site are:

- Car and light pickup tires \$1/each
- Semi-truck and trailer tires \$3/each
- Small Implement and Tractor \$6/each
- Larger Implement and Tractor \$20-30/each

Bulk Tire Rates

- Whole Tires (weight) \$75/ton ← **Selected rate for evaluation**
- Whole Tires (volumetric) \$10/cubic yard
- Shredded tire disposal same as above

A general cost estimate for freight to haul from Lander, WY to Laurel, MT is as follows:

- Approximately 260 miles one-way.
- Assume \$9.00/loaded mile (assumed higher rate: the town is not a hub and specialized trailer requirements (i.e. walking floor type trailer)).
- Approximately 13 tons per walking floor trailer load. This weight estimate has been used based on District historic hauling efforts.
- Freight estimate is \$2,340 per load of 13 tons.

Using a 500 tons per year tonnage, the annual management cost based on the tonnage would be as follows:

Freight = (500 tons / 13 tons) x \$2,340/load = \$91,260

Disposal Costs = (500 tons) x (\$75/ton) = \$37,500

****Note: no expense was included for District staff or equipment to load the tires into the trailers being used to haul the tires. Assume 40-hours with one staff person and one front-end loader = \$5,000 is a close estimate.***

→ Total Management Expense = \$133,760 (i.e. \$268/ton)

→ Disposal Fees Paid to the District (@ \$80/ton) = \$40,000

→ Total Losses = \$93,760 (equates to a loss of \$188/ton)

→ Disposal Fee to Cover all Costs = \$268 per ton

4. **Shredding by Contractor** – a contractor in Shoshoni, WY offers tire grinding/shredding for solid waste facilities. Management costs associated with this option are:

- Contractor Shredding Rate \$150/ton
- Contractor Mobilization Cost \$0
- Volume Reduction *Unknown (assume 63.8% for calculations – same as 2022 shredding project)*
- Landfilling Rate \$80/ton at FCSWDD sites

Using a 500 tons per year tonnage, the annual management cost based on the tonnage would be as follows:

Shredding Costs = (500 tons) x (\$150/ton) = \$75,000

Landfill Airspace Consumption Expense (using 229-lbs/yd³ loose density)

**Note: the 229-lbs/yd³ was determined during the 2022 shredding project.*

=> Loose Volume = (500 tons x 2,000lbs/ton) / (229-lbs/yd³) = 4,367 yd³

=> Shredded Volume = (4,367 yd³) reduced by 63.8% = 1,581 yd³

**Note: the 64% airspace reduction was determined during the 2022 shredding project.*

=> Airspace Value at 1,200lbs/yd³ AUF and \$80/ton fee = \$48/yd³

= (1,581 yd³) x (\$48/yd³) = \$75,900

Mobilization = \$0

Total Processing Expense = \$75,000

Airspace Expense = \$75,900

→ Total Management Expense = \$150,900 (i.e. \$302/ton)

→ Disposal Fees Paid to the District (@ \$80/ton) = \$40,000

→ Losses = \$110,900 (equates to a loss of \$222/ton)

→ Disposal Fee to Cover all Costs = \$302 per ton

5. **Shredding by the District** – Tire shredding at the Sand Draw Landfill took place between March 22, 2022, and March 26, 2022. The following represents the findings of the Tire Shredding Pilot Project:

- Tonnage:	417 tons
- Loose Density:	229-lbs/yd ³
- Shredded and Placed Density:	633-lbs/yd ³
- Shredding Volume Reduction:	46.6%
- Shredding and Landfill Placement/Compaction Reduction:	63.8%
- Pilot Project Total Cost:	\$33,172
- Disposal Cost at \$80 per ton on the 417 tons:	\$33,360
- Airspace Consumption Cost Prior to Shredding:	\$174,950
- Airspace Consumption Cost Post Shredding:	\$63,300
- Airspace Consumption Savings by Shredding:	\$111,650
- Financial Loss at \$80 per ton:	\$63,112
- Required Disposal Rate to Cover Processing and Landfilling:	\$232 per ton

*Estimated Tonnage	417 tons
Initial Tire Stockpile Survey:	3,644.55 yd ³
Shredded Tire Stockpile Survey:	1,947.34 yd ³
Shredded and Landfilled Survey:	1,318.40 yd ³

**Note: Not all of the tires were weighed into the Sand Draw Landfill separate from the typical waste stream leading into this project; however, prior estimates of the tire weights for a one-year period calculated the annual tonnage to be approximately 500 tons. Further, the last tire hauling event offsite (to the Shoshoni Landfill) took place 5/29/2022.*

Shredding (alone) volumetric reduction:

- $(3,644.55 \text{ yd}^3) - (1,947.34 \text{ yd}^3) = 1,697.21 \text{ yd}^3$ less airspace consumed
- $(1,697.21 \text{ yd}^3 / 3,644.55 \text{ yd}^3) \times 100 = 46.6\%$ reduction
 - ⇒ Using an \$80 per ton disposal rate and assuming a typical 1,200lb/ yd³ compaction rate, the airspace value should be worth \$48 per yd³
 - ⇒ **$(\$48/\text{yd}^3) \times (1,697.21 \text{ yd}^3) = \$81,466$ worth of airspace gained/saved**

Shredding and landfilling volumetric reduction:

- $(3,644.55 \text{ yd}^3) - (1,318.40 \text{ yd}^3) = 2,326.15 \text{ yd}^3$ less airspace consumed
- $(2,326.15 \text{ yd}^3 / 3,644.55 \text{ yd}^3) \times 100 = 63.8\%$ reduction
 - ⇒ Using an \$80 per ton disposal rate and assuming a typical 1,200lb/ yd³ compaction rate, the airspace value should be worth \$48 per yd³
 - ⇒ **$(\$48/\text{yd}^3) \times (2,326.15 \text{ yd}^3) = \$111,650$ worth of airspace gained/saved**

Operational Costs Associated (for Sand Draw Only):

• Shredder Rental:	\$10,175 (actual rental was \$20,350, used ½)
• Freight on delivery	\$4,300 (included all freight)
• District Staff (Total Comp)	\$6,842
• District Loaders	\$6,046

- District Roll-Off Trucks \$3,837
- Fuel/DEF \$1,972

- Cumulative \$33,172

Calculations:

- Annual Tire Tonnages:
 - RTO and Baileys loads for this period equated to 300 tons. This only accounts for the two very large generators.
 - Previously calculated annual tonnage was approximately 500 tons.
 - Last hauled offsite 5/28/2021.
 - Approximately 10 months between the previous hauling event and tire processing:
 - $(10/12) \times (500) = 417$ tons.

- Staff Wages (total compensation):
 - Darrell Summerlin: \$58.24 per hour
 - Worked 46 hours = \$2,680
 - Dale Lobdell: \$37.85 per hour
 - Worked 46 hours = \$1,742
 - Buddy Nimmo: \$31.09 per hour
 - Worked 36 hours = \$1,120
 - Wade Appelhans \$35.59 per hour
 - Worked 36.5 hours = \$1,300
 - Cost = \$6,842

- Fuel Usage:
 - 437 gallons.
 - The District was paying \$4.35 per gallon for diesel fuel in March 2022.
 - Cost = \$1,901

- DEF Usage:
 - 20 gallons.
 - The District was paying \$3,51 per gallon for DEF in March 2022.
 - Cost = \$71

- Equipment:
 - Referenced Wyoming Rents in Riverton on 9/8/2022 for “standard” rental rates for comparable equipment.
 - Mid-size front-end loader: \$685 per 8-hour day = \$85.63 per hour
 - End dump trucks: \$396 per 8-hour day = \$49.50 per hour

	<u>Hours</u>	<u>Hourly Cost</u>	<u>Op. Cost</u>
○ Cat 924K Loader	34.2	\$85.63	\$2,929
○ Cat IT-14 Loader	36.4	\$85.63	\$3,117
○ Mack Roll-Off Truck	37.5	\$49.50	\$1,857
○ International Roll-Off Truck	40	\$49.50	\$1,980
○ <u>Cost = \$9,883</u>			

- Total Management Expense = \$96,472 (i.e. \$231/ton)
- Disposal Fees Paid to the District (@ \$80/ton) = \$33,360

- Losses = \$63,112 (equates to a loss of \$152/ton)

- Disposal Fee to Cover all Costs = \$232 per ton

6. Landfilling at the Sand Draw Landfill – landfilling whole tires at the site. Using the volume reduction between the shredded tires and the shredded and landfilled tires (i.e. placed with a dozer and compacted with a waste compactor) determined during the 2022 tire shredding project, the reduction was 17.2%.

- Landfilling Rate	\$80/ton at FCSWDD sites
- Freight	\$0.00
- Volume Reduction from Landfill compactor	17.2% (best estimate)

Landfill Airspace Consumption Expense (using 229-lbs/yd³ loose density)

**Note: the 229-lbs/yd³ was determined during the 2022 shredding project.*

=> Loose Volume = (500 tons x 2,000lbs/ton) / (229-lbs/yd³) = 4,3673 yd³

=> Landfilled Volume = (4,367 yd³) @ 17.2% = 3,616 yd³

=> Airspace Value at 1,200lbs/yd³ AUF and \$80/ton fee = \$48/yd³

= (3,616 yd³) x (\$48/yd³) = \$173,568

➔ Total Management Expense = \$173,568 (i.e. 347/ton)

➔ Disposal Fees Paid to the District (@ \$80/ton) = \$40,000

➔ Losses = \$133,568 (equates to a loss of \$267/ton)

➔ Disposal Fee to Cover all Costs = \$347 per ton