

Northwest Vermont Solid Waste Management District

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NOTICE

NORTHWEST VERMONT SOLID WASTE DISTRICT

BOARD OF SUPERVISORS MEETING

DATE: FEBRUARY 2, 2022
TIME: 6:30 PM
LOCATION: CITY HALL AUDITORIUM, ST. ALBANS, VT AND
VIA ZOOM: <https://us02web.zoom.us/j/4456759564>
VIA PHONE: +1 646 876 9923
Meeting ID: 445 675 9564

Due to the spike in Covid-19 infections the state is currently experiencing, please consider remote attendance.

1. Adjustments to the Agenda
2. Welcome, introductions, opening remarks –Chair
3. Opportunity for Public Comment
4. District Announcements
6. Approval of Minutes: December 1, 2021 (enclosed)
7. Committee Reports:
 - Finance-
 - Operations
 - Administration-
 - NWSWD Weapons in the Workplace Policy,
 - Building-
 - Renovation Project Update: HHW program report
 - Solar: Certificate of Public Good Deadline
 - Trash Compactor: Recommendation to move forward with compactor purchase and installation
 - Executive
 - Executive Director's Annual Review (Possible Executive Session)
 - Office-Staff
 - Director's Report
 - Finance Report
8. Commissioner Announcements
9. Adjourn

MEMBER COMMUNITIES

ALBURGH • BAKERSFIELD • BERKSHIRE • ENOSBURG • FAIRFIELD • FLETCHER • FRANKLIN • GEORGIA • GRAND ISLE
HIGHGATE • ISLE LA MOTTE • MONTGOMERY • NORTH HERO • RICHFORD • ST. ALBANS CITY • ST. ALBANS TOWN
SHELDON • SOUTH HERO • SWANTON

Minutes

NWSWD Board of Supervisors Meeting

December 1, 2021

The Board of Supervisors of the Northwest Vermont Solid Waste Management District held their regularly scheduled board meeting on December 1, 2021 via zoom and at the St. Albans Town Hall at 6:30 PM.

Supervisors Present:

Buermann, Bob – So. Hero
Danielle Choiniere – Alburgh - zoom
David Clark, - Fletcher - zoom
Doremus, Mark – Bakersfield
Green, Tim – Richford – zoom
Kade, Barry – Montgomery
Lambert, Paul – Georgia - zoom
Leitz, Tom - St. Albans City

Micheli, Carlo – Swanton
Richards, Jim - No. Hero – zoom
St. Francis, April - Highgate
Tibbits, Jaime – Fairfield
Tuck, Joyce – Isle La Motte
Voegele, Al - St. Albans Town

Supervisors Absent:

Guests:

Others Present:

John Leddy, Executive Director
Pam Bolster, Business Manager - zoom
Richard Backer, EHS Manager

Full Board Meeting

Chairman Al Voegele called the meeting to order at 6:30 PM.

- 1) Agenda Review-Additions/Deletions:** No changes or additions.
- 2) Welcome, Introductions, Opening Remarks – Chair –** Mr Voegele Welcomed the Group and noted that while time limits did not allow for any committee meetings in November, and that December will be difficult, he hoped that some committees will have met by the next meeting in February.
- 3) Public Hearing Comments – FY2023 Budget: None – No Attendees.**
- 4) District Announcements/Directors Report:**

Mr. Leddy discussed staffing shortages. He stated that initially there were no large impacts but was resulted in overtime for certain staff, until November. Illnesses, Injuries and a holiday forced the District to make the choice to suspend food scrap collection for a week. Though all is back to normal and many did not even notice, The District is working hard to fill open positions. Mr. Leddy noted that he is working on the 2021 Annual report. District staff have been compiling and examining the data. He stated he would forward it to Town Officials once complete and asked for suggestions from the board for the report. Brief discussion occurred. In Legislative News he noted two new bills that create extended Producer Responsibility Programs, H.115 in which manufacturers of hazardous products contribute to the HHW collection

system, and another that is being drafted that makes producers responsible for the recycling of all packaging for products they sell.

5) Vote: Minutes of the November 3, 2021 NWSWD Board Meeting:

Mr. Buermann made a motion to accept the minutes as written. Mr. Clark seconded the motion. Ms. Tuck abstained. All were in favor and the motion was passed.

6) Committee Reports:

a) Finance Report: Ms. Bolster had provided a written finance report. She asked if there were any questions, none were asked.

b) Budget Adoption.

Mr. Richards made a motion to approve the FY2023 NWSWD Budget as discussed at the November meeting. Mr. Leitz seconded the motion. All were in favor and the motion passed. Mr. Kade Abstained.

c) District Assessment:

Mr. Clark made a motion to pass the District Assessment at \$1.10 per capita based on the most recent census data, with a due date of November 15, 2022 and directs the District Treasurer or his designee to issue warrants to member municipalities. Mr. Leitz seconded the motion. All were in favor and the motion passed.

Board Adjourned at 7:20PM

Director's Report 2-2-2022

Since we last met in December District staff has finished pulling together a summary of our activity in 2021 with surprising and encouraging results. This summary was the basis of our 2021 Supervisor's report which went out at the beginning of January to all town offices for inclusion in their Annual Reports. After last year's report I had intended to revamp the report and its format to be more engaging. However, COVID and staff shortages conspired to provide less space and time to devote to this project. Therefore, you will notice that the report is relatively similar. Next year we will have an updated annual report format. If you haven't read the report yet it's attached here and look for it in your town's report.

I have had a conversation with Josie Henry, the chair of the Alburgh Select Board, about the operation of their transfer station. They have had issues in the past year and were looking for solutions. One option she wanted to explore was whether the District could assume responsibility for operation of the transfer station. I would like the District to investigate this possibility as well as the bigger question of new sites/operations of the District. This is likely a topic for the Operations Committee.

On the topic of engagement with member towns, the town of Highgate is engaging in a river bank restoration project on the Missisquoi River and would like to gain access to the project across the District's property in Sheldon. I would like to grant them access for the length of the project with agreements for maintenance and repair of damages. Additionally, from the conversation I gathered that the town was also interested in a deed easement to the project site. This type of long-term agreement is another matter and one that the board should consider. There are other easements on our deed for access to the same point for neighboring landowners so there is precedent. Descriptive project materials are attached.

The Senate and House Natural Resources Committees are busy concentrating on two Extended Producer Responsibility bills. The Senate NR committee has been presented a bill on EPR for all packaging, and the House has a bill introduced dealing with EPR for household hazardous waste. I have given testimony on both bills and hope that both bills move forward and provide the opportunity for more engagement.

In 2020, the District had a grant proposal for improvements to our facility approved and the state has agreed to pay 60% of our \$250,000 proposal. This money will help us improve our facility and will be able to be applied to anything that will improve our ability to accept HHW/CEG waste. While the project is moving forward it has grown larger and taken longer than anticipated. The state just agreed to a two-year extension on the grant which was signed earlier in the month. We are really excited about this opportunity and how it will allow the District to achieve our goals.

I have continued discussions surrounding the NWSWD's food scrap collection services. I have been engaging with the Hudak farm about their interest in this operation and around the holidays I spoke with No Waste Compost, LLC about their interest in the household collection program. I will discuss these interests and the possible paths forward at the next meeting.

Finally, the month of January has been a colder month than we have seen in a while. Every Saturday has come with temperatures below 0 degrees. I would like to show appreciation for our employees who come to work each day with a true sense of purpose and duty especially on these extreme days. I would propose an extreme weather bonus policy and look forward to discussing it with the board.

Onward - John

**Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
July 2021 through January 2022**

	Jul '21 - Jan '22	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Compost Collection	54,496.00	110,000.00	-55,504.00	49.5%
Commercial Route Compost	194.55	500.00	-305.45	38.9%
Residential Route Composting	19,526.25	50,000.00	-30,473.75	39.1%
Compost Collection - Other	150.00			
Total Compost Collection	74,366.80	160,500.00	-86,133.20	46.3%
Computer/Electronic Recy Income	13,961.15	19,500.00	-5,538.85	
Grants				
Pesticide Grant	2,100.00	4,000.00	-1,900.00	52.5%
SWIP Grant	25,869.28	47,035.00	-21,165.72	55.0%
Total Grants	27,969.28	51,035.00	-23,065.72	54.8%
Hauler Licensing	1,280.00	1,500.00	-220.00	85.3%
Haz Waste Fees	12,805.86	25,000.00	-12,194.14	51.2%
Interest Income	1,045.27	4,200.00	-3,154.73	24.9%
Miscellaneous Income	96.70	1,000.00	-903.30	9.7%
Municipal Assessments	51,354.00	51,354.00	0.00	100.0%
Recycling Income	45,073.41	55,000.00	-9,926.59	82.0%
Sale of Recyclables	33,926.93	20,000.00	13,926.93	169.6%
Trash Income	194,382.33	330,000.00	-135,617.67	58.9%
Surcharge Income	458,977.37	873,082.00	-414,104.63	52.6%
Composter Sales	625.00	5,000.00	-4,375.00	12.5%
Recycle Bin Sales	78.00	875.00	-797.00	8.9%
Minor AR and AP Charge-Off	-0.93			
Total Income	915,941.17	1,598,046.00	-682,104.83	57.3%
Cost of Goods Sold	147.90			
Total COGS	147.90			
Gross Profit	915,793.27	1,598,046.00	-682,252.73	57.3%
Expense				
Administration Expenses	2,842.00	1,800.00	1,042.00	157.9%
Advertising	228.40			
Bank Service Charges	0.00	100.00	-100.00	0.0%
Credit Card Processing				
Bank Service Charges - Other	228.40	100.00	128.40	228.4%
Copier Lease	1,034.94	1,600.00	-565.06	64.7%
Dues	6,021.42	8,500.00	-2,478.58	70.8%
Insurance	41,839.00	62,000.00	-20,161.00	67.5%
Misc.	2,402.81	1,000.00	1,402.81	240.3%
Office Equipment	1,660.00	2,500.00	-840.00	66.4%
Office Supplies	1,541.93	3,000.00	-1,458.07	51.4%
Postage and Delivery	732.00	1,600.00	-868.00	45.8%
Training/Development	2,806.98	5,000.00	-2,193.02	56.1%
Utilities				
Telephone	1,871.69			
Utilities - Other	4,709.20	13,600.00	-8,890.80	34.6%

Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
July 2021 through January 2022

	Jul '21 - Jan 22	Budget	\$ Over Budget	% of Budget
Total Utilities	6,580.89	13,600.00	-7,019.11	48.4%
Total Administration Expenses	67,690.37	100,700.00	-33,009.63	67.2%
Personnel Expenses				
Benefits	12,599.77	27,111.83	-14,512.06	46.5%
ER 457 Cont	161,135.95	239,115.27	-77,979.32	67.4%
Benefits - Other				
Total Benefits	173,735.72	266,227.10	-92,491.38	65.3%
ER Taxes	24,311.11	60,446.97	-36,135.86	40.2%
Gross Wages	336,824.55	684,908.49	-348,081.94	49.2%
Payroll Processing	2,366.05	3,900.00	-1,533.95	60.7%
Total Personnel Expenses	537,237.43	1,015,480.56	-478,243.13	52.9%
Board of Supervisors				
Board Meetings/Retreats	0.00	500.00	-500.00	0.0%
Legal/Accounting	7,712.73	10,000.00	-2,287.27	77.1%
Property Taxes	9,959.20	9,500.00	459.20	104.8%
Sheldon Land Note-Contingency	0.00	3,000.00	-3,000.00	0.0%
VMBB Bond Expense	54,465.75	65,019.00	-10,553.25	83.8%
Total Board of Supervisors	72,137.68	88,019.00	-15,881.32	82.0%
Facilities/Equipment Expenses				
Mobile Equipment Maintr/Repairs	18,720.17	18,000.00	720.17	104.0%
Capital Maintenance	0.00	45,944.00	-45,944.00	0.0%
New Equipment	3,200.00	2,000.00	1,200.00	160.0%
Building Improvements	257.78	2,000.00	-1,742.22	12.9%
Building Maintenance / Repairs	14,561.86	2,000.00	12,561.86	728.1%
Equipment Supplies/Maintenance	4,496.90	15,000.00	-10,503.10	30.0%
Mobile Equipment Fuel	22,904.72	37,000.00	-14,095.28	61.9%
Plowing/Mowing	1,320.00	3,000.00	-1,680.00	44.0%
Warehouse Supplies	1,718.31	5,000.00	-3,281.69	34.4%
Total Facilities/Equipment Expenses	67,176.74	129,944.00	-62,767.26	51.7%
Direct Services				
Trash Disposal	57,384.80	105,000.00	-47,615.20	54.7%
Enforcement	1,626.24	2,000.00	-373.76	81.3%
Community Assistance	0.00	1,000.00	-1,000.00	0.0%
Drop Off Site Expenses	6,877.15	8,500.00	-1,622.85	80.9%
Composting				
Brush Collection	10,970.00	7,500.00	3,470.00	146.3%
Commercial Route Compost	29,084.50	50,000.00	-20,915.50	58.2%
Residential Compost Route	0.00	5,700.00	-5,700.00	0.0%
Composting - Other	16,440.25			
Total Composting	56,494.75	63,200.00	-6,705.25	89.4%
Recycling	37,085.22	37,000.00	85.22	100.2%
Computer/Electronic Collection	2,319.23	3,000.00	-680.77	77.3%
Education Outreach	1,661.88	12,202.44	-10,540.56	13.6%
Hazardous Waste	13,654.81	32,000.00	-18,345.19	42.7%
Total Direct Services	177,104.08	263,902.44	-86,798.36	67.1%
Cost of Composters Sold	595.92			
Uncategorized Expenses	27.00			

Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
 July 2021 through January 2022

	Jul '21 - Jan 22	Budget	\$ Over Budget	% of Budget
Total Expense	921,969.22	1,598,046.00	-676,076.78	57.7%
Net Ordinary Income	-6,175.95	0.00	-6,175.95	100.0%
Net Income	-6,175.95	0.00	-6,175.95	100.0%

Northwest Vermont Solid Waste Mgt District

Receipts

December 2021

	Dec 21
Addison County Solid Waste District	55.00
Alburgh Elementary	165.00
Alburgh, Town of	1,615.65
All Cycle - Highgate	906.87
All Metal Recycling	660.00
Bakersfield Elementary/Middle School	101.00
Bayside Pavillion	80.00
Berkshire School	103.00
Beth-El Court Association	75.00
BFA-St. Albans City (c)	275.00
Cherry Tree Court Apartments	85.00
CODElectric, LLC - c	135.00
Drop Off Sites	25,817.15
Enosburg Elementary School (c)	131.00
Enosburg Falls Middle School (c)	229.00
Fairfield Center School (c)	115.00
Fairfield Community Center	21.00
Food City	135.00
Four Winds - Cathedral Square	170.00
Franklin County Rehab	185.00
Franklin Elementary (c)	88.00
Franklin West Supervisory Union	9.50
Georgia Market - c	105.00
Georgia Town School District (c)	195.00
Good Point Recycling, American Retroworks	1,047.24
Grand Isle Supervisory Union	59.00
Grand Isle, Town of	433.41
Grice Brook Gardens	105.00
Heritage Lane Apartments	60.00
Highgate Elementary	200.00
Holy Angels Apartments	75.00
Jeff's Seafood	150.00
Main Street Market	228.00
Maple City/ Diner	165.00
Maple Run School District Central Office	36.00
Mill River Brewing	170.00
Mimmo's-c	140.00
Montgomery Elementary School	103.00
Myers	14,324.30
North Hero House	383.00
Northwest Counseling Services	75.00
Northwest Medical Center/Hospitality (c)	270.00
Pet Food Warehouse	7.00
Pie in the Sky -c	100.00
Richford Elementary School	369.00
Richford High School	153.00
Roy Walnes Auto Repair	156.00

10:15 AM

01/31/22

Cash Basis

Northwest Vermont Solid Waste Mgt District
Receipts
 January 2022

	Jan 22
A & R Belley	115.00
Alburgh Elementary	101.00
Alburgh, Town of	113.00
All Cycle-Williston	29,625.36
All Cycle - Highgate	60,970.23
All Metal Recycling	930.80
Bakersfield Elementary/Middle School	118.00
Belfry Restaurant	68.00
Berkshire School	81.00
Boydton Farms	140.00
Brookside Condos 2	45.00
Call To Recycle	1,374.10
Casella-Montpelier	642.24
Cherry Tree Court Apartments	60.00
Chevalier Drilling Company, Inc	60.00
Drop Off Sites	20,832.00
Fletcher Town School District	70.00
Food City	70.00
Franklin County Rehab	155.00
Franklin Elementary (c)	76.00
Frost Beer	28.00
Georgia Market - c	155.00
Good Point Recycling, American Retroworks	702.48
Grand Isle, Town of	363.58
Grice Brook Gardens	150.00
Hawks Nest Housing	185.00
Heritage Lane Apartments	140.00
Highgate Elementary	185.00
Holy Angels Apartments	75.00
Huntington Estates HOA	140.00
Jeff's Seafood	100.00
Lamoille Regional Solid Waste District-c	14.00
Main Street Graphics	595.50
Main Street Market	238.00
Maple City Diner	125.00
Maple Run School District Central Office	36.00
Med Associates	298.00
Mill River Brewing	570.00
Mimmo's-c	140.00
Montgomery Elementary School	81.00
Myers	9,825.02
Northwest Counseling Services	60.00
Perrigo	654.00
Pet Food Warehouse	63.00
Pie in the Sky -c	125.00
Richford High School	91.00
Rock Tenn	6,797.02

10:16 AM

01/31/22

Cash Basis

Northwest Vermont Solid Waste Mgt District

Payments

December 2021

	<u>Dec 21</u>
All Cycle - Highgate Transfer	-7,392.88
Amazon.com	-42.06
Blue Cross and Blue Shield of VT	-9,903.78
Bourne's Energy	-11.18
C Brown Inc	-556.73
Casella-Hyde Park Transfer Station	-2,153.54
Chittenden Solid Waste District	-564.00
Cross Engineering	-708.75
dollar Tree	-1.07
Fleet Pride Truck & Trailer Parts	-65.16
Front Porch Forum	-1,158.00
Georgia Auto Parts	-53.08
Good Point	-310.00
Hannaford	-402.13
Hudak Farms	-8,126.50
Infinity Trust VSP	-230.29
J&L Hardware, Inc.	-105.66
K-N-S Tire Recycling	-1,301.00
Label Master	-170.34
Lussier's Sawmill	-800.00
Milton Independent	-1,350.00
Morse Industrial Park Owners Association	-1,892.99
Northeast Delta Dental	-670.03
PayData	-59,713.08
R.L. Vallee, Inc.	-3,647.28
Rudco Products, Inc	-32,931.75
safelite Auto Glass	-399.17
St. Albans Messenger	-225.00
US Postmaster	-232.00
Vermont Electric Coop	-28.11
VLCT PACIF	-13,531.00
VT Gas Systems	-216.63
W.B. Mason	-165.97
Walgreens	-24.26
TOTAL	<u>-149,083.42</u>

10:19 AM

01/31/22

Cash Basis

Northwest Vermont Solid Waste Mgt District

Payments

January 2022

	<u>Jan 22</u>
All Cycle - Highgate Transfer	-6,424.43
Alpine Web Media LLC	-359.40
Amazon.com	-84.93
Beaulieu, Mark	-103.05
Blaisdell, Darren	-34.05
Blue Cross and Blue Shield of VT	-11,445.18
Casella-Hyde Park Transfer Station	-1,219.61
Cerberus EHS	-1,000.00
Comcast Business	-484.74
Cross Engineering	-742.50
De Lage Landen Financial Services, Inc.	-255.54
Domina, Barry	-555.52
Drummac Septic Service	-1,053.00
Enpro Services of Vermont, Inc *	-3,728.48
Fothergill, Segale & Valley	-1,185.00
Full Source	-45.94
Georgia Auto Parts	-134.44
Good Point	-420.12
Green Mountain Power	-652.80
Hudak Farms	-5,942.50
Infinity Trust VSP	-230.29
Interstate Refrigerant Recovery, Inc	-350.00
J&L Hardware, Inc.	-369.51
King, Butch	-90.16
Madison National Life	-130.88
Misc	-27,228.80
Myers Recycling Center	-3,255.54
Northeast Delta Dental	-466.84
Northern Safety and Industrial	-48.96
PayData	-42,864.85
Peter Palady	-150.00
R.L. Vallee, Inc.	-3,058.12
SAM Directory	-597.00
Sleep Well Recycling	-1,152.00
St. Albans Coop Store	-19.99
Sticks & Stuff	-37.98
Stone's Auto Repair	-54.00
Vermont Compactor Service	-1,140.47
Vermont Electric Coop	-29.39
VT Gas Systems	-540.77
W.B. Mason	-869.38
TOTAL	<u>-118,556.16</u>

10:38 AM

01/31/22

Accrual Basis

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
December 2021

	<u>Dec 21</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	74.23
Haz Waste Fees	0.00
Recycling Income	0.00
Sale of Recyclables	1,107.10
Trash Income	3,043.00
Total Income	<u>4,224.33</u>
Gross Profit	4,224.33
Expense	
Personnel Expenses	
ER Taxes	95.05
Gross Wages	975.00
Total Personnel Expenses	<u>1,070.05</u>
Direct Services	
Trash Disposal	1,005.96
Drop Off Site Expenses	232.40
Recycling	293.80
Total Direct Services	<u>1,532.16</u>
Total Expense	<u>2,602.21</u>
Net Ordinary Income	<u>1,622.12</u>
Net Income	<u><u>1,622.12</u></u>

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
January 2022

	Jan 22
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	6.00
Trash Income	2,797.00
Total Income	<u>2,803.00</u>
Gross Profit	2,803.00
Expense	
Personnel Expenses	
ER Taxes	48.26
Gross Wages	495.00
Total Personnel Expenses	<u>543.26</u>
Direct Services	
Trash Disposal	651.87
Drop Off Site Expenses	7.42
Recycling	99.29
Total Direct Services	<u>758.58</u>
Total Expense	<u>1,301.84</u>
Net Ordinary Income	<u>1,501.16</u>
Net Income	<u><u>1,501.16</u></u>

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
July 2021 through January 2022

	<u>Jul '21 - Jan 22</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	325.68
Haz Waste Fees	31.00
Recycling Income	15.00
Sale of Recyclables	3,597.73
Trash Income	26,707.30
Total Income	<u>30,676.71</u>
Gross Profit	30,676.71
Expense	
Personnel Expenses	
ER Taxes	553.21
Gross Wages	5,674.50
Total Personnel Expenses	<u>6,227.71</u>
Direct Services	
Trash Disposal	7,278.80
Drop Off Site Expenses	816.78
Recycling	1,787.37
Computer/Electronic Collection	57.12
Total Direct Services	<u>9,940.07</u>
Total Expense	<u>16,167.78</u>
Net Ordinary Income	<u>14,508.93</u>
Net Income	<u><u>14,508.93</u></u>

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
December 2021

	<u>Dec 21</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Brush Collection	5.00
Total Compost Collection	<u>5.00</u>
Computer/Electronic Recy Income	1,390.24
Haz Waste Fees	1,095.50
Miscellaneous Income	-21.00
Recycling Income	3,118.00
Sale of Recyclables	4,159.52
Trash Income	12,143.65
Composter Sales	<u>50.00</u>
Total Income	<u>21,940.91</u>
Gross Profit	21,940.91
Expense	
Personnel Expenses	
ER Taxes	1,188.48
Gross Wages	<u>12,189.50</u>
Total Personnel Expenses	13,377.98
Direct Services	
Trash Disposal	4,220.60
Drop Off Site Expenses	204.40
Recycling	2,962.80
Computer/Electronic Collection	<u>309.36</u>
Total Direct Services	7,697.16
Cost of Composters Sold	<u>49.66</u>
Total Expense	<u>21,124.80</u>
Net Ordinary Income	<u>816.11</u>
Net Income	<u><u>816.11</u></u>

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
January 2022

	<u>Jan 22</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	715.50
Haz Waste Fees	650.00
Miscellaneous Income	2.00
Recycling Income	1,433.00
Sale of Recyclables	293.80
Trash Income	7,768.00
Total Income	<u>10,862.30</u>
Gross Profit	10,862.30
Expense	
Personnel Expenses	
ER Taxes	727.23
Gross Wages	7,458.75
Total Personnel Expenses	<u>8,185.98</u>
Direct Services	
Trash Disposal	1,888.65
Drop Off Site Expenses	238.42
Recycling	0.00
Total Direct Services	<u>2,127.07</u>
Total Expense	<u>10,313.05</u>
Net Ordinary Income	<u>549.25</u>
Net Income	<u><u>549.25</u></u>

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
July 2021 through January 2022

	<u>Jul '21 - Jan 22</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Brush Collection	112.00
Total Compost Collection	112.00
Computer/Electronic Recy Income	12,800.04
Haz Waste Fees	9,904.86
Miscellaneous Income	-8.30
Recycling Income	35,005.56
Sale of Recyclables	19,500.17
Trash Income	95,774.43
Composter Sales	525.00
Recycle Bin Sales	18.00
Total Income	173,631.76
Cost of Goods Sold	
Cost of Goods Sold	80.27
Total COGS	80.27
Gross Profit	173,551.49
Expense	
Personnel Expenses	
ER Taxes	6,794.73
Gross Wages	69,696.64
Total Personnel Expenses	76,491.37
Facilities/Equipment Expenses	
New Equipment	3,200.00
Building Maintenance / Repairs	15.68
Equipment Supplies/Maintenance	20.16
Total Facilities/Equipment Expenses	3,235.84
Direct Services	
Trash Disposal	28,480.20
Drop Off Site Expenses	2,931.70
Composting	17.52
Recycling	23,336.46
Computer/Electronic Collection	1,981.59
Total Direct Services	56,747.47
Cost of Composters Sold	496.60
Total Expense	136,971.28
Net Ordinary Income	36,580.21
Net Income	<u>36,580.21</u>

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Accrual Basis

Northwest Vermont Solid Waste Mgt District
Montgomery Profit & Loss
December 2021

	<u>Dec 21</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	37.00
Haz Waste Fees	0.00
Recycling Income	80.00
Sale of Recyclables	1,415.10
Trash Income	2,806.00
Total Income	<u>4,338.10</u>
Gross Profit	4,338.10
Expense	
Administration Expenses	
Utilities	28.11
Total Administration Expenses	28.11
Personnel Expenses	
ER Taxes	136.91
Gross Wages	1,404.25
Total Personnel Expenses	1,541.16
Direct Services	
Trash Disposal	1,086.50
Drop Off Site Expenses	241.36
Recycling	1,159.66
Computer/Electronic Collection	45.76
Total Direct Services	<u>2,533.28</u>
Total Expense	<u>4,102.55</u>
Net Ordinary Income	<u>235.55</u>
Net Income	<u><u>235.55</u></u>

Northwest Vermont Solid Waste Mgt District
Montgomery Profit & Loss
January 2022

	<u>Jan 22</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	26.00
Haz Waste Fees	5.00
Recycling Income	68.00
Trash Income	3,697.00
Recycle Bin Sales	6.00
	<hr/>
Total Income	3,802.00
Cost of Goods Sold	
Cost of Goods Sold	6.76
	<hr/>
Total COGS	6.76
	<hr/>
Gross Profit	3,795.24
Expense	
Administration Expenses	
Utilities	29.39
	<hr/>
Total Administration Expenses	29.39
Personnel Expenses	
ER Taxes	80.97
Gross Wages	830.49
	<hr/>
Total Personnel Expenses	911.46
Direct Services	
Trash Disposal	300.56
Drop Off Site Expenses	88.42
Recycling	140.78
	<hr/>
Total Direct Services	529.76
	<hr/>
Total Expense	1,470.61
	<hr/>
Net Ordinary Income	2,324.63
	<hr/>
Net Income	<u>2,324.63</u>

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Accrual Basis

Northwest Vermont Solid Waste Mgt District

Montgomery Profit & Loss

July 1, 2021 through January 1, 2022

	<u>Jul 1, '21 - Jan 1, 22</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	532.27
Haz Waste Fees	70.00
Recycling Income	1,240.00
Sale of Recyclables	3,892.88
Trash Income	26,177.00
Composter Sales	100.00
Recycle Bin Sales	42.00
Total Income	<u>32,054.15</u>
Cost of Goods Sold	
Cost of Goods Sold	47.34
Total COGS	<u>47.34</u>
Gross Profit	32,006.81
Expense	
Administration Expenses	
Utilities	132.74
Total Administration Expenses	132.74
Personnel Expenses	
ER Taxes	743.73
Gross Wages	7,628.30
Total Personnel Expenses	8,372.03
Direct Services	
Trash Disposal	6,625.48
Drop Off Site Expenses	927.22
Recycling	3,493.38
Computer/Electronic Collection	227.24
Total Direct Services	11,273.32
Cost of Composters Sold	99.32
Total Expense	<u>19,877.41</u>
Net Ordinary Income	<u>12,129.40</u>
Net Income	<u><u>12,129.40</u></u>

Northwest Vermont Solid Waste Mgt District
No. Hero Profit & Loss
December 2021

	<u>Dec 21</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Brush Collection	2.00
Total Compost Collection	2.00
Computer/Electronic Recy Income	155.08
Haz Waste Fees	0.00
Recycling Income	298.00
Sale of Recyclables	882.64
Trash Income	1,589.00
Total Income	<u>2,926.72</u>
Gross Profit	2,926.72
Expense	
Personnel Expenses	
ER Taxes	184.36
Gross Wages	1,891.00
Total Personnel Expenses	2,075.36
Direct Services	
Trash Disposal	975.66
Drop Off Site Expenses	204.40
Recycling	80.00
Total Direct Services	<u>1,260.06</u>
Total Expense	<u>3,335.42</u>
Net Ordinary Income	<u>-408.70</u>
Net Income	<u><u>-408.70</u></u>

Northwest Vermont Solid Waste Mgt District
No. Hero Profit & Loss
January 2022

	<u>Jan 22</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	10.00
Haz Waste Fees	0.00
Recycling Income	223.00
Trash Income	2,253.00
Total Income	<u>2,486.00</u>
Gross Profit	2,486.00
Expense	
Personnel Expenses	
ER Taxes	104.22
Gross Wages	1,069.00
Total Personnel Expenses	1,173.22
Direct Services	
Trash Disposal	302.86
Drop Off Site Expenses	193.42
Total Direct Services	<u>496.28</u>
Total Expense	<u>1,669.50</u>
Net Ordinary Income	<u>816.50</u>
Net Income	<u><u>816.50</u></u>

Northwest Vermont Solid Waste Mgt District
No. Hero Profit & Loss
July 2021 through January 2022

	<u>Jul '21 - Jan 22</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Brush Collection	82.55
Total Compost Collection	<u>82.55</u>
Computer/Electronic Recy Income	283.16
Haz Waste Fees	35.00
Recycling Income	4,095.10
Sale of Recyclables	2,556.89
Trash Income	22,589.60
Recycle Bin Sales	18.00
Total Income	<u>29,660.30</u>
Cost of Goods Sold	
Cost of Goods Sold	20.29
Total COGS	<u>20.29</u>
Gross Profit	29,640.01
Expense	
Personnel Expenses	
ER Taxes	866.31
Gross Wages	8,886.00
Total Personnel Expenses	<u>9,752.31</u>
Direct Services	
Trash Disposal	8,395.96
Drop Off Site Expenses	1,200.00
Recycling	3,284.27
Computer/Electronic Collection	53.28
Total Direct Services	<u>12,933.51</u>
Total Expense	<u>22,685.82</u>
Net Ordinary Income	<u>6,954.19</u>
Net Income	<u><u>6,954.19</u></u>

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Accrual Basis

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
December 2021

	<u>Dec 21</u>
Ordinary Income/Expense	
Income	
Sale of Recyclables	988.68
Trash Income	2,378.00
Total Income	<u>3,366.68</u>
Gross Profit	3,366.68
Expense	
Personnel Expenses	
ER Taxes	38.05
Gross Wages	390.00
Total Personnel Expenses	<u>428.05</u>
Direct Services	
Trash Disposal	1,036.25
Drop Off Site Expenses	123.40
Total Direct Services	<u>1,159.65</u>
Total Expense	<u>1,587.70</u>
Net Ordinary Income	<u>1,778.98</u>
Net Income	<u><u>1,778.98</u></u>

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Accrual Basis

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
January 2022

	<u>Jan 22</u>
Ordinary Income/Expense	
Income	
Trash Income	2,331.00
Total Income	<u>2,331.00</u>
Gross Profit	2,331.00
Expense	
Personnel Expenses	
ER Taxes	22.83
Gross Wages	<u>234.00</u>
Total Personnel Expenses	256.83
Direct Services	
Drop Off Site Expenses	<u>88.42</u>
Total Direct Services	88.42
Total Expense	<u>345.25</u>
Net Ordinary Income	<u>1,985.75</u>
Net Income	<u><u>1,985.75</u></u>

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
July 2021 through January 2022

	<u>Jul '21 - Jan 22</u>
Ordinary Income/Expense	
Income	
Sale of Recyclables	3,188.98
Trash Income	20,629.00
Total Income	<u>23,817.98</u>
Gross Profit	23,817.98
Expense	
Personnel Expenses	
ER Taxes	228.30
Gross Wages	2,340.00
Total Personnel Expenses	<u>2,568.30</u>
Direct Services	
Trash Disposal	5,038.80
Drop Off Site Expenses	804.60
Recycling	676.80
Total Direct Services	<u>6,520.20</u>
Total Expense	<u>9,088.50</u>
Net Ordinary Income	<u>14,729.48</u>
Net Income	<u><u>14,729.48</u></u>

Finance Report

Board Meeting – February 2, 2022

General Finance Notes:

Cautious optimism resides in Finance looking at the most recent figures. Over-all with the increase of income in Jan not seen yet and the decreases from expenses not seen, we are solid and have no deficiency in our budget. At this point in time !

We have submitted and been given approval on our first reimbursement from the HHW Infrastructure Grant, though have not yet received payment. Included was the Rack Shelving and some of the Cross Consulting and Design Work. Based on their share and the withholding of 10% required by the grant, we will receive a little over 12K in reimbursement at this time. Also submitted is reimbursement for the box purchase through the materials management grant which amounts to appx. 16K.

Insurance for 2022 decreased slightly from 2021 with the total for the calendar year 2022 being \$55, 370.00, plus or minus dependent on workman's comp audit for that period.

P&L items of Interest:

Income:

	July – Dec 2021 (FY22)	July – Dec 2020 (FY21)	July – Dec 2019 (FY20)
Commercial Composting	\$54,421	\$47,697	\$34,611
Residential Composting	\$16,845	\$17,667	\$8,045
HHW	\$12,151	\$11,542	\$10,009
Recycling Income	\$43,349	\$50,189	
Sale of Recyclables Income	\$33,633	\$14,969	\$8,505
Surcharge	\$458,977	\$459,598	\$462,974
Note: November and December Surcharges Both Show Slight Increases over last Year			
Trash Income	\$175,536	\$177,493	\$170,148
A look at trash by month for the last few months, have felt January to be quite off but could be weather related in addition to all other current economic factors.			
Trash by Month	FY22	FY21	FY20
Nov	\$26,363	\$26,923	\$26,685
Dec	\$21,960	\$23,512	\$23,265
Jan (first 3 wks)	\$18,846	\$22,391	\$17,011

Expenses:

Casella's rate increases took effect in January 2022 with the first few invoices reflecting such. Currently as of December we are on target and within our budgeted expense for the first half of our fiscal year' but this could affect that going forward, dependent on tonnage of course. We currently pay for disposal in Highgate \$127.25 per ton of MSW. In Hyde Park we pay \$112.15 per ton of MSW and \$138.02 per ton for single stream recycling.

Fuel Costs continue to be high as all are aware and our budget is seeing effects as partially anticipated.

DO Site Disposal Tonnage by Mo.	FY22	FY21
November Tons	123.01	125.98
December Tons	113.76	137.9

Other expense variances have been addressed in previous reports with nothing new to report. We continue to monitor and analyze and will report as necessary.

Have a great February ! May it be a warmer month ! Pam

Weapon Free Workplace Policy:

To ensure that the NWSWD maintains a safe workplace for all employees and customers, the company prohibits the possession or use of firearms or other destructive devices/weapons by employees on their person or in their vehicle while on company property or property that the district utilizes for business.

This includes:

- a. "Firearms" – any weapon (including starter guns) which will, is designed to or may readily be converted to expel a projectile by the action of an explosive, the frame or receiver of any weapon described in the above, and any device used to muffle or silence the weapon.
- b. "Destructive Device (s)" is an explosive, incendiary or poison gas, flame or any sharp-edged instrument or other instrument designed to harm another person or property or is used individually or in combination with the intent to harm another person or property. Destructive Devices include, but are not limited to: Bombs, Grenades, Rockets, Missiles, Knives, Stiletos, Blackjacks (or other similar club weapons), Brass Knuckles.

All workers are subject to this provision, including contract workers and temporary employees. A license to carry the weapon does not supersede company policy. Any employee in violation of this policy will be subject to disciplinary action, up to and including termination.

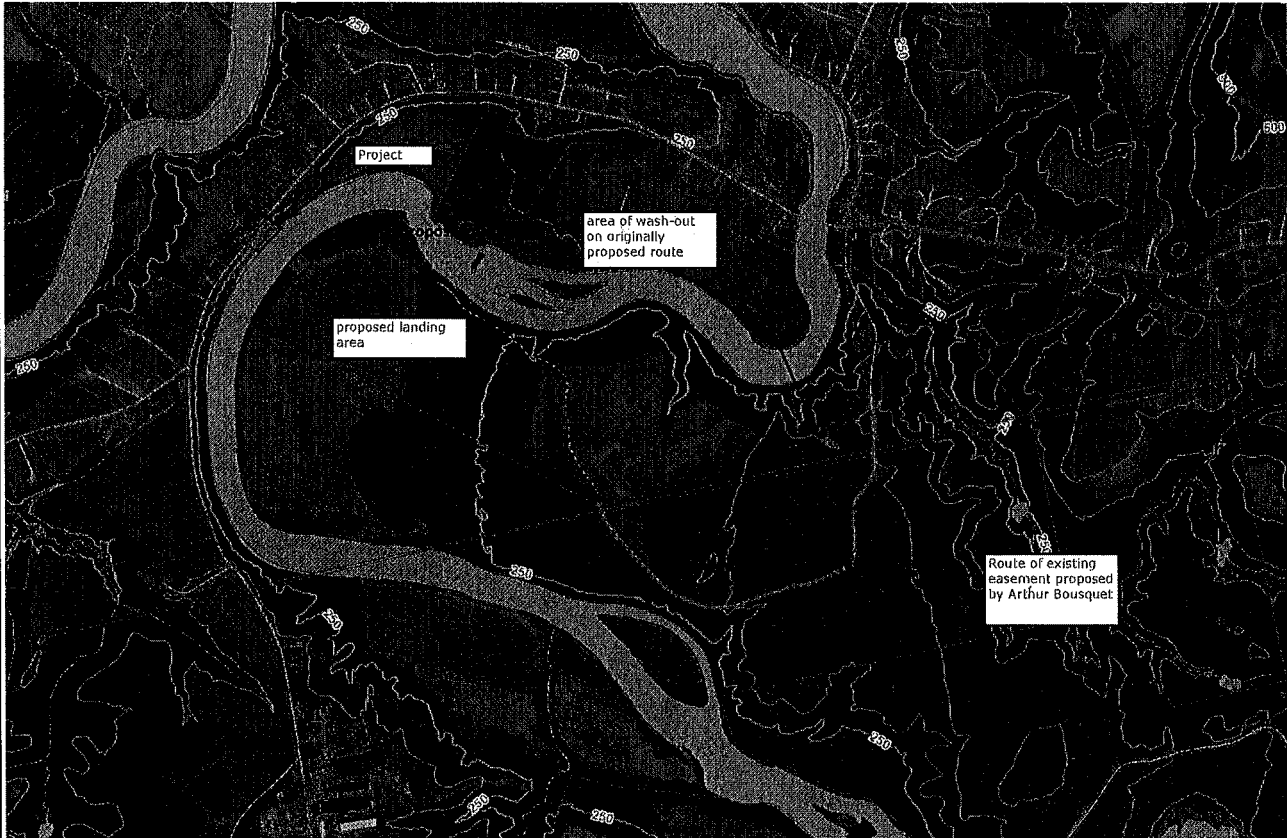
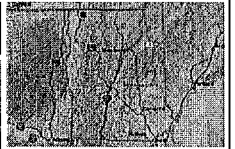
The NWSWD recognizes that there may be circumstances in which The District deems it acceptable and/or necessary for the employee to receive a waiver of this policy. Example could be:

1. Carrying an unloaded hunting rifle in a vehicle during hunting season,
2. A District Enforcement Officer request that could include safety concerns.

Prior to bringing any Firearm or Destructive Device to any NWSWD facility or property of which it inhibits, the employee must request and receive written permission to do so from the Executive Director or the Executive Director's Designee. The written request for permission must include: a. the basis for the request, and b. how long the necessity will last.

Any approved Firearm or Destructive Device will be kept in a locked vehicle at all times unless otherwise approved. The Executive Director may grant, deny, or revoke permission at any time and/or apply conditions he believes are appropriate.

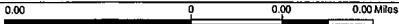
The NWSWD reserves the right at any time and at its discretion, to search any company owned or leased vehicles, any vehicle being utilized to conduct NWSWD business, any desk, locker, packages, containers, purses, or any other enclosures, or persons, brought unto NWSWD property or property The District utilizes, to determine whether any weapon is being or has been brought unto its property or property it utilizes, in violation of this policy. Any employee who fails or refuses to promptly permit a search under this policy will be subject to discipline up to and including termination.



LEGEND	
	Parcel polygons
	Inactive parcels
	Airports
	Rail Lines
	Town Boundaries
	County Boundaries
	Buildings
	Village Boundaries
Image	
	Red: Band_1
	Green: Band_2
	Blue: Band_3
	VT State Boundary

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December 22, 2021



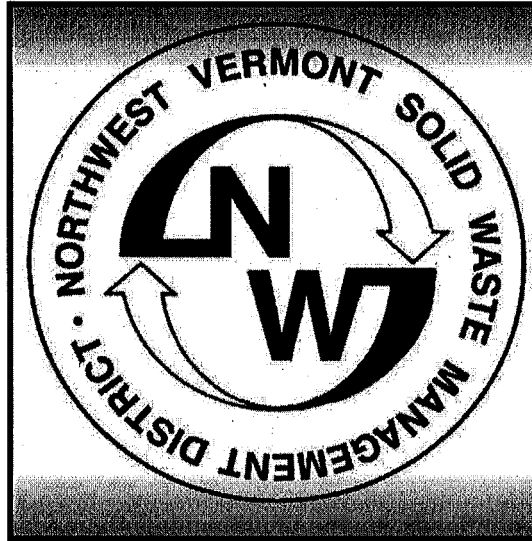
WGS_1984_Web_Mercator_Auxiliary_Sphere
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DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. VCGI and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

NOTES

This map was created with the VT Interactive Map Viewer.



**DRAFT Programming Report for the
Haz-Waste Center Expansion**

January 2022

SWWA SPECIAL WASTE ASSOCIATES
CONSULTING / TRAINING / PUBLICATIONS

Special Waste Associates (SWA) is pleased to provide this Draft Project Programming Report for an expanded Haz-Waste Center at the Northwest VT Solid Waste Management District's (NWSWMD) Georgia Recycling Facility in Fairfax.

In order to expand the existing an Haz-Waste Center it is necessary to evaluate the current waste streams, the existing operations, recognize the motivations for the new facility, and integrate current and future needs of the staff and community. This requires synthesizing waste stream analysis with site constraints, staff input, and likely future needs of the community. This programming report addresses these factors.

Project Background

The NWSWMD currently operates a permanent Household Hazardous Waste (HHW) collection facility, which also accepts conditionally-exempt generators (CEGs) waste, at the Georgia Recycling Facility, called the Haz-Waste Center. The NWSWMD also provides 6 to 8 remote HHW collection events/yr. at towns greater than 15 miles from the Haz-Waste Center. The Haz-Waste Center operates year-round, 5-days a week on a scheduled appointment basis; this effectively keeps queuing to a few cars. Residential customers of the District bring their HHW to any collection event or the Haz-Waste Center. CEG wastes are only accepted at the Haz-Waste Center.

NWSWMD has provided HHW and CEG collection service at the Haz-Waste Center to the District's households and businesses for many years. Its operating capacity will be augmented with the addition of a new building. The investment in this new building provides the opportunity to significantly improve the HHW operation and needs to be optimized for safety, operational efficiency, and overall customer value. Current efforts assume that shipping will occur from the existing HHW building loading dock and most waste storage will be in the satellite HHW building.

The facility expansion has been envisioned by creating a new building on the existing site. Work so far has set the location of the building in a location across a paved area from the main building with a footprint of about 1,200 sq. ft. with two-stories, a total of approximately 2,400 sq. ft. The upper story is designated for additional office space with the expanded Haz-Waste Center operations on the lower floor. A key challenge of this approach is to effectively organize the HHW/CEG operating functions in two separate areas, in the new building and the existing location in the recycling facility.

SWA staff traveled to the Georgia Recycling Center to understand the current operations, interview staff, and evaluate the proposed site for the expanded Haz-Waste Center. SWA staff visited on December 2, 2021 meeting with John Leddy (Ex.Dir. NWSWMD), Pete Garceau (Cross Consulting Engineers, St. Albans), Darren (new HHW lead staff). The site visit is discussed in the next section.

Facility Site Visit

Currently, the primary HHW processing and packaging area is occurring inside the recycling center next to the loading dock, see Figure 1.



Figure 1 - Current HHW sorting - packing area

This is a crowded operation and the close proximity of many containers makes it difficult to extract full containers without moving other containers. This kind of operational inefficiency should be reduced with the Haz-Waste Center expansion. In addition to the sorting/packaging area shown in Figure 1 there are a set of pallet racks adjacent to the loading dock, see Figure 2, and four storage units in a fenced outside area of the site, shown in Figure 3.



Figure 2 - Pallet rack storage for fluorescent lamps and supplies.

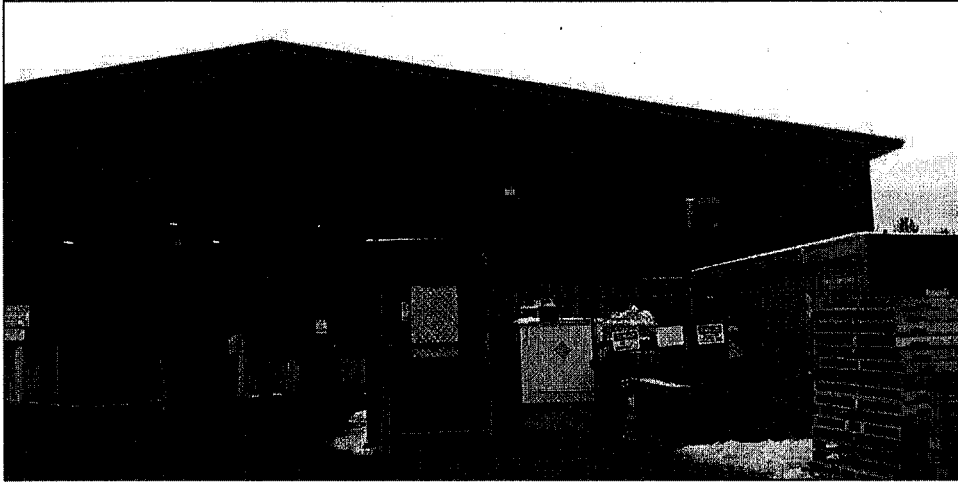


Figure 3 - Three outdoor Haz-Waste Center Storage Units.

The current Haz-Waste Center has a split operations between the outside storage areas and the inside sorting and packing area. This arrangement is inherently inefficient as supplies and wastes must be shuttled between the inside and outside areas continuously. The currently proposed site design would separate these two operations further than they are now. It would be more efficient to bring these two parts of the operations together.

The outside storage consists of four storage prefabricated steel units, three to contain hazardous wastes waiting for shipment with one of the three providing a flammable liquids bulking station. The smallest of the three prefabricated steel storage units is white and is dedicated to storage of Li-Ion batteries. The two larger prefabricated hazardous waste units are significantly deteriorated and the large full-length sliding doors are difficult to open and close. The fourth steel storage unit is a 40-foot shipping container which is used to store supplies and some of the fluorescent lamps awaiting shipment and appears to be in good condition.

Cross Consulting Engineers developed a preliminary site plan for the Haz-Waste Center and other upgrades to the existing recycling building. This includes a new traffic circulation pattern and a new separate building to house most of the Haz-Waste Center on the ground floor with new offices for the Georgia Recycling Center staff on the second floor, about 2,400 sq.ft. In discussion with Cross Consulting Engineers and John Leddy, the separate location for the Haz-Waste Center and offices was mainly chosen to provide a separate area for customers to use the Haz-Waste Center. For safety, there is also a desire to keep the quantities of HHW and CEG wastes stored on site to a minimum, shipping HHW offsite more frequently.

Alternative Site Configuration

Figure 4 shows the current preliminary site design and a suggested relocation of the new building to be adjacent to the existing building. This alternative site configuration would provide a more integrated on-site operation and provide much closer travel distance to the loading dock for shipping HHW and CEG waste.

This configuration would provide better line-of-sight between most of the on-site operations, an operating safety feature. This would also avoid longer utility runs to the new building expansion. In the alternative location, the second story office space could provide direct monitoring of the ongoing operations and potentially an educational observation point in a safe location off of the work floor. The relocated 40-foot shipping container could be reused for dry storage.

With only box truck quantities of HHW and CEG wastes stored on-site, the 1,200 sq. ft. new building plus reuse of the 40-foot shipping container storage unit should provide adequate space for all the expected Haz-Waste Center operations in one contiguous area on the ground floor instead of two separate areas.

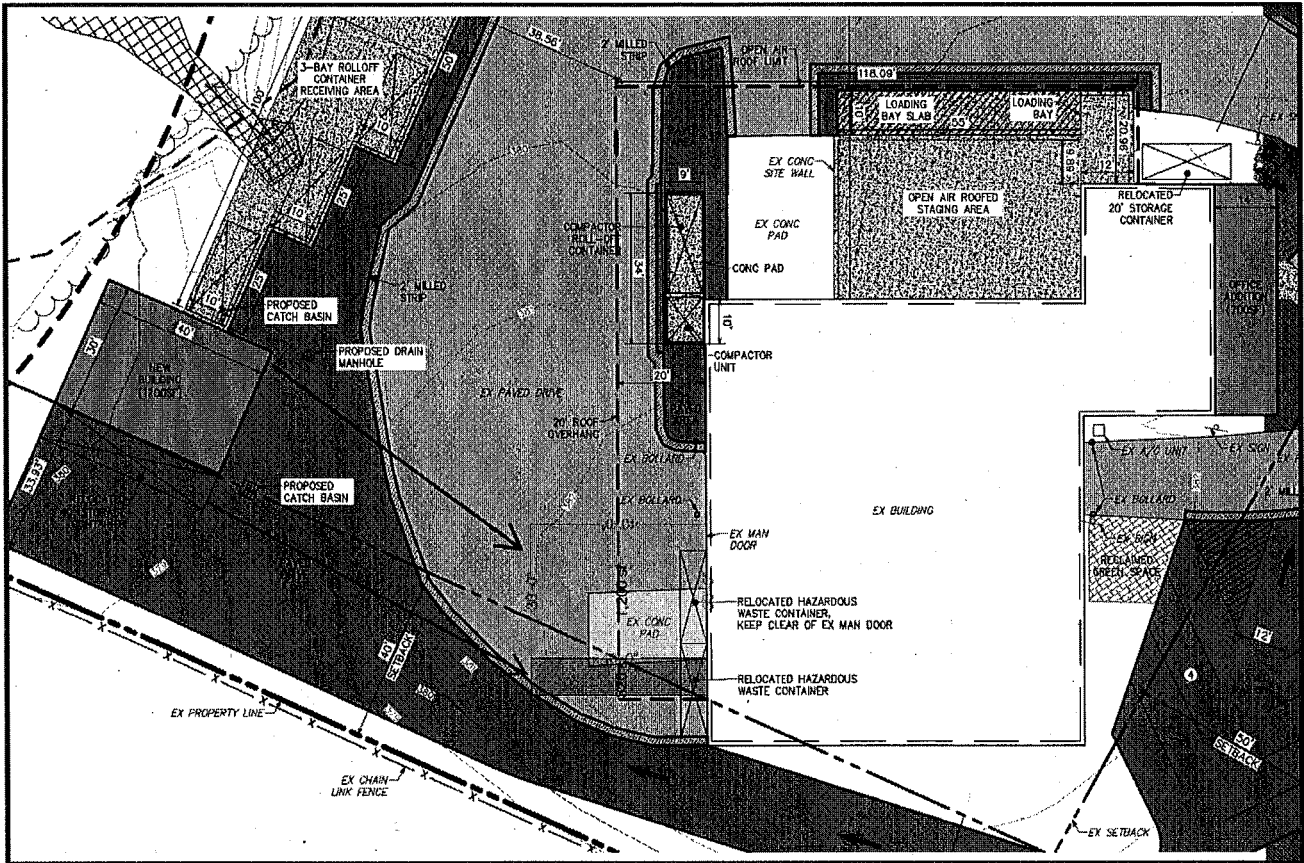


Figure 4 - Suggested location of the new building expansion.

Not shown on Figure 4 is a canopy to receive HHW/CEG customers under cover near the NE corner of the new building.

HHW Waste Stream and Storage Analysis

To mitigate risk NWSWMD wants to keep the quantities of HHW and CEG wastes stored on-site to a minimum by shipping wastes more frequently in smaller batches. Consequently, for HHW storage we will assume amounts needed to efficiently fill no more than a 24 ft. box truck instead of a larger capacity truck.

The following analysis is based on HHW waste shipment data from June through October 2021. An empty 24-ft. box truck typically moves about 48 single-stacked 55-gallon drums per trip. Some waste such as paint and automotive batteries are shipped on pallet or Cubic Yard boxes which take the space of about 4 55-gallon drums. Table 1 shows a representative quantity and type of HHW shipped in shipments from June to October 2021. There are other categories of wastes shipped less often such as mercury products, fluorescent lamps. Table 1 represents about 1/2 of a full 24 ft. box truck capacity. In cases where trucks may be delayed in picking up HHW, additional space should be provided at the new Haz-Waste Center.

The **red text** waste categories of Table 1 are the waste types most likely to be included by the Building and Fire Code as falling into the flammable liquids category. These materials are typically stored in a separate room in the building where there is also bulking of fuels and flammable solvents into drums.

Table 1. Recent Waste Categories and Quantities Shipped

Waste Category	Typical Shipment
Non-RCRA liquids	1 – 55 gal. drum
Motor Oils	1 – 55 gal. drum
Aerosols	1 - 55 gal. drum
Flammable liquids	2 – 55 gal. drums
Bulk Inorganic Bases	2 – 5 gal. drums
Poison solids	1 – 55 gal. drum
Bulk Inorganic Acids	1 – 5 gal. drum
Oxidizers	1 – 55 gal. drum
Antifreeze	1 – 55 gal. drum
Latex paint	2 - Cubic Yd. Boxes
Paint Related Materials	1 – Cubic Yd. Box
Oily Wastes (no free liquids)	1 – 30 gal. drum

To meet building and fire code requirements, it is common to provide an estimate of the maximum quantities of any types of hazardous materials likely to be stored or in-process. This maximum expected quantity of hazardous materials is then used to determine the appropriate building use occupancy. Assuming that the building is designed to hold no more than what can be shipping in a 24-ft. box truck can

provide an upper limit as well as help design the appropriate space within the building for managing those wastes efficiently and safely. Using the June through October 2021 shipments to represent the typical mix of hazardous materials shipped, we can estimate the maximum quantities of hazardous materials in storage and in process and compare that to the Maximum Allowable Quantities (MAQs) of hazardous materials in the building code. Table 2 shows an estimate of maximum expected quantities of hazardous materials by building code classification in the expanded Haz-Waste Center, assuming that it will have fire sprinklers throughout. The last two columns in Table 2 shows the MAQ for each waste type and whether the MAQ is exceeded. Some waste types are not considered hazardous by the International Building Code and have no MAQ. In those cases “N/A” is shown in Table 2.

Table 2 – Proposed Maximum Hazardous Material Quantities

Waste Type	International Building Code Class	Qty	Packaging	Max. Expected Quantity of Contents	MAQ (with sprinklers)	Exceeds MAQ?
FLAMABLE LIQUID	Flam. Liq. IB, closed	3	55 gal, bulk	150 gal	240 gal	No
FLAMABLE LIQUID	Flam. Liq. IB, open	2	55 gal, bulk	100 gal	60 gal	Yes
MERCURY PRODUCTS	N/A	1	5 gal, lab	20 lbs.	N/A	N/A
MOTOR OIL	Comb. Liq. IIIB	2	55 gal, bulk	100 gal	3,300 gal	No
PAINT - LATEX	N/A	4	Cu.Yd. Box, loose	240 gal	N/A	N/A
NON-RCRA LIQUIDS	N/A	1	55 gal, loose	15 gal	N/A	N/A
ACIDS (INORGANIC)	Corrosive	2	5 gal, bulk	10 gal	1,000 gal	No
ANTIFREEZE	N/A	2	55 gal, bulk	100 gal	N/A	N/A
BASES (INORGANIC)	Corrosive	4	5 gal, bull	20 gal	1,000 gal	No
AEROSOLS (spray paint)	Flam. Liq. IB, closed	2	55 gal, loose	10 gal	240 gal	No
OXIDIZERS (NEUTRAL)	Oxidizer Class 2	1	55 gal, lab	15 gal (150 lbs.)	500 lbs.	No
PAINT RELATED MATERIALS (tar, caulk)	N/A	2	Cu.Yd. Box, loose	50 gal	N/A	N/A
PESTICIDES/POISON (LIQUID)	Toxic (10% of total)	1	55 gal, lab	1.5 gal (15 lbs.)	1,000 lbs.	No
OILY WASTE (NO FREE LIQUIDS)	N/A	1	55 gal, loose	50 lbs.	N/A	N/A

Table 2 is based on the typical mix of materials up to the storage limit of what can fit on a 24 ft. box truck, which is the suggested design basis for the expanded Haz-Waste Center. In addition, there are a number of occasional small quantities of hazardous materials brought in by households such as chemistry sets, Li-ion batteries, organic peroxides, water reactives, and fluorescent lamps. Finally, the process of bulking of flammable liquids into 55-gallon drums, an “open” system, on the second row of Table 2, is shown separately from stored flammable liquids quantities, “closed” system on row one. This is because they have different MAQs in the International Building Code.

The only hazardous materials shown in Table 2 that approach or exceed the MAQs are the flammable liquids on the second row in the table. Maximum Expected Quantity of 100 gallons vs. 60 gallons MAQ. These are common HHW such as gasoline, acetone, benzene, and rubbing alcohol which are easily bulked into a drum for efficient shipping and reduced disposal cost.

Nonetheless, the flammable liquids in closed drums on the first row of the table, plus aerosol flammable liquids on the tenth row, total 160 gallons, which is not far from their MAQ of 240 gallons. If we added the 100 gallons of flammable liquids being bulked into drums from the second row, the 240 gallon MAQ would be exceeded. The MAQ is used to determine when quantities of hazardous materials in storage or in-process are high enough to designate a building or parts of buildings as some type of hazardous occupancy.

Because the quantities of flammable liquids typically exceed the MAQ at HHW operations; it is common practice to provide a separate room for flammable liquids consolidation and storage with an occupancy designation of H-2. Other areas of HHW buildings often are classified for storage, S-1 occupancy, or business activities, B occupancy. It would be prudent to review these quantities and verify these occupancy designations with the local authority having jurisdiction for the fire and building codes.

An H-2 occupancy area is normally a separate room with safety features including fire-rated construction (usually a 2-hour rating), explosion proof electrical wiring and fixtures, mechanical ventilation for the room and the flammable liquids bulking station, combustible gas sensors connected to an alarm system, and secondary containment for spills and sprinkler water. Sizing the H-2 occupancy to just the space needed for efficient flammable liquids management and storage limits the need for these more expensive safety features to a relatively small area. The remainder of HHW and CEG wastes in storage would likely be in an S-1 occupancy.

Electronic Waste

Storage for electronic waste uses pallet racks in the recycling center and will continue to be stored in that manner prior to shipment. Therefore, no space for e-waste will be required at the expanded Haz-Waste Center.

Other Functional Areas to Consider

- Dedicated reuse room with user parking.
 - Significant annual operating costs can be saved and good materials reused in the community. This is a proven waste reduction activity at HHW facilities. See an article of with examples of HHW waste reduction and cost savings at: <https://wasteadvantagemag.com/six-most-forgotten-features-at-hhw-collection-facilities-part-5-hhw-reuse/>
 - Once the entire building project is completed, the reuse area might be located in a part of the current office area instead of part of the Haz-Waste Center to allow convenient and safer customer parking and access to good products.

- Decontamination zone.
 - There should be a small area in the Haz-Waste Center that provides space for putting on and taking off personal protection gear, PPE, so that chemicals are not inadvertently spread beyond the operating area. These areas are usually located between the operating areas and washup/changing areas.
- Office/Administrative Functions.
 - Space for records retention, lunch breaks, and other administrative functions related to the Haz-Waste Center should be planned. Very likely this could be shared with other similar needs of the recycling center.
- Showers/locker rooms
 - Space for restrooms, lockers and showers should be considered. Again these kind of amenities could very likely be shared with other similar needs of the recycling center staff.

Next Steps

After this Programming Report has been reviewed by NWSWMD and revised into a final document, this will provide a basis for developing a conceptual design sketch and following steps in the development of the expanded Haz-Waste Center in concert with the recycling center upgrade project.



A tradition of quality, a reputation of excellence.
Since 1984.



JB21-76

August 12, 2021

Mr. Richard Backer
EHS Manager
Northwest Vermont Solid Waste Management District (NWSWD)
158 Morse Drive
Fairfax, VT 05454



Compactor Install Location: Transfer Station at 158 Morse Drive, Fairfax, VT 05454

Sebright Products Model 7460-1-6 Stationary Compactor	\$42,273.00
Extra heavy duty frame and ram design, 10 HP, (1) 6" hydraulic cylinder, 16 GPM, 36 gallon tank, 56,550 pounds of force at 2,000 PSI, 208v/230v/460v/3 phase electrical motor with weather cover, with 100% container fullness light	Included
Compactor dimensions: 15.67' L x 49" H (rear deck) x 6' W, base unit weight of 10,200 pounds	Included
Large, oversized, hopper, flared to left side reinforced bump tube on lip of hopper for residents to discard trash, hopper to be at least 42" H above finished floor to be ANSI compliant, clearing new retaining wall to prevent tripping hazard	\$5,960.00
Final design of hopper will be illustrated in drawings, once install location is chosen and order placed	Included
Operators controls, mounted on 10' cord, installed where convenient for users	Included
Remote power unit, with weather cover, mounted on rear deck of compactor and will be pointed out of design drawings	\$1,254.00
Thermostatically controlled hydraulic oil tank heater	\$378.00
Advanced full load warning light (80% full light) mounted with operator controls	\$858.00
5' L x 4" H guide rails to center receiver box on compactor	\$488.00
Painted Sebright Products standard color of choice	Included
Site specific, three dimensional drawings, submitted to customer for review/revision/approval	Included
Sebright Products Master Warranty	Included
Total Equipment Cost:	\$51,211.00
Freight (FOB Hopkins, MI), Common Carrier or Sebright Products, to Salisbury, NH (One Load, Two Items: Compactor and Receiver Box):	\$4,265.00
Installation, offloading, start up, test run, staff training:	\$2,750.00
YOUR NET TOTAL, less any applicable taxes, subject to future steel surcharges:	\$58,226.00

Steel Surcharge Information:

Pricing is based on current steel pricing, this quotation may change, if steel prices substantially go up from the date of this quotation. All final pricing shall be confirmed at the time of order placement.

Notes:

- Note #1:** If the four yard, Model 7460-2-6 is desired, the price, with all options listed above, is \$60,307.00, includes freight and install
Extra heavy duty frame and ram design, 20 HP, (2) 6" hydraulic cylinder, 30 GPM, 93 gallon tank, 113,100 pounds of force of force at 2,000 PSI, 208v/230v/460v/3 phase electrical motor with weather cover
Compactor dimensions: 15.67' L x 49" H (rear deck) x 6' W, base unit weight of 10,800 pounds
- Note #2:** If the five yard, Model 8260-1-6 is desired, the price, with all options listed above, is \$51,422.00, includes freight and install
Extra heavy duty frame and ram design, 10 HP, (1) 6" hydraulic cylinder, 16 GPM, 60 gallon tank, 56,550 pounds of force of force at 2,000 PSI, 208 volt 3 phase electrical motor with weather cover
Compactor dimensions: 16.33' L x 49" H (rear deck) x 6' W, base unit weight of 10,872 pounds
- Note #3:** If the five yard, Model 8260-2-6 is desired, the price, with all options listed above, is \$60,366.00, includes freight and install
Extra heavy duty frame and ram design, 20 HP, (2) 6" hydraulic cylinder, 30 GPM, 93 gallon tank, 113,100 pounds of force of force at 2,000 PSI, 208 volt 3 phase electrical motor with weather cover
Compactor dimensions: 16.33' L x 49" H (rear deck) x 6' W, base unit weight of 11,248 pounds
- Note #4:** Each Model C-2240 RT, for (1) 6" cylinder, square style receiver box, with retainer teeth is \$19,042.00 each, will fit on trailer with compactor
- Note #5:** Each Model C-2240 RTHD, for (2) 6" cylinder, square style receiver box, heavy duty design with retainer is \$20,337.00 each, will fit on trailer with compactor
- Note #3:** Lead time is 120 - 150 days, once order is officially placed, deposit received, drawings approved
- Note #4:** 50% deposit required with order, remaining 50% due 30 days after installation, unless otherwise negotiated
- Note #5:** Proper, three phase, electrical service disconnect and concrete pad by customer

Thank you for this opportunity, Rich!

Joe Beahan

Sales Director
Sebright Products Inc. / Bright Technologies, Inc.
Mobile Phone: 610-209-4556
E-Mail: jbeahan@sebrightproducts.com
www.sebrightproducts.com



Proposal Number 05-1121-009

BALERS*SHREDDERS*AIR SYSTEMS*CONVEYORS*PARTS*WIRE*SERVICE

To:	John Leddy	Date:	Tuesday, November 16, 2021
Company:	Northwest Vermont Solid Waste	Telephone:	802-524-5986
Address:	158 Morse Rd. Georgia, VT 05454	Email:	Jleddy@nwswd.org
		Job Name:	New American Two Ram Baler

One (1)	New American Baler W409D Automatic Two Ram Baler 30HP Motor, 8" Main Cylinder – 7" Eject Cylinder, 60" x 40" Feed Opening, Bale Size 30" x 45" x 60", Cycle Time 18.4 Seconds, Bale Weights 1200# (OCC), Included Features: * Accent 470 Wire Tier * 3000 PSI System Pressure / 2850 PSI Operating Pressure * 150 Gallon Oil Reservoir – Oil Included * Replaceable AR400 Steel Liners and Shear Knife * Tongue & Groove Floor Strips, Adjustable Platen Hold Downs * Heavy Channel and Tube Steel Constructed Frame * Subfloor: Heavy Wall Tube Steel in Honey Comb Design for Superior Strength * Oil Cooler: Independent Cooling/Filtration Loop * Bale Run Out Table * Bale Separation Door * Shipping Weight 30,000# * Warranty: 2 Years/4,160 Hour Parts & Labor	
	Price, Shipping Point Bellevue, OH (Factory)	\$ 230,260.00
One (1)	Model CC4817 Above-ground Slider Bed Conveyor (48" x 17') Includes Consolidated Conveyor Controls and Hopper with Door.	\$ 23,200.00
One (1)	Freight on Baler and Conveyor – Two Full Truckloads	\$ 9,565.00
One (1)	Bale Run-Out Table 4 Ft. Long	\$ Included
One (1)	Conveyor Controls Up to 3 HP	\$ Included
One (1)	Off-load and Set Up (Baler and Conveyor)	\$ 10,500.00
One (1)	Startup and Training Cost	\$ 3,500.00
	Total Cost, Including Start Up & Training	\$ 277,025.00

- Note:
- * Please Allow 34 – 38 Weeks for Delivery (New Equipment).
 - * Permanent Electrical Wiring, Conduit, and Cables NOT Included.
 - * Price Excludes Any Applicable Fees, Taxes, Permits, Etc.
 - * Installation Assumes Free & Clear Access.
 - * Qualifies for OBC Industrial "No Worries" Guarantee.
 - * Price Subject to Change at Time of Order, Quote Valid 30 Days.

We propose to furnish material and labor – complete in accordance with above specifications. Payment terms are as follows:

Terms: 30% Down / 60% Prior to Shipping / 10% Net 30 Days

Due to cost of raw materials, labor and inventory, this down payment is nonrefundable in the event of a cancellation of order.

Matt Pompeani
OBC Industrial

Name/Title

Company/Date

OBC Industrial * 11288 Alameda Drive *Strongsville, OH 44149
Phone: 216-398-8800 Fax: 216-398-9430



W409D
AUTO-TIE TWO-RAM BALER
TECHNICAL SPECIFICATIONS

Newsprint, OCC, Printer's Waste, Folding Carton Waste, Aluminum & Steel Cans, Vented PET & HDPE Plastics, Plastic Film

Meets all Current ANSI 245.51 Safety Standards

CHARGE BOX SPECIFICATIONS		DIMENSIONS	
Feed Opening Long Side	40.0" L x 78½" W	Length	16' -1"
Charge Box Long Side	40.0" L x 58.0" W	Width (floor Space)	20' - 3"
Charge Box Volume	45.1 Cu. Ft.	Height (Feed)	5' - ½"
Approximate Machine Weight (lbs.)	34,000		

PERFORMANCE DATA		
Hydraulic Power Unit		30
Horsepower		30
No-Load Cycle Time (in Seconds) ¹		18.4
Cycles Per Hour		195.7
Normal Displacement (cf/hr) ²		8,824
Production ³	1 #/cf (up to TPH)	2.6
	2 #/cf (up to TPH)	4.9
	3 #/cf (up to TPH)	6.4
	4 #/cf (up to TPH)	7.2

Bale Weights & Densities¹

OCC	Up to 27 pounds per cubic foot	Up to 1,200 pounds
MOW & ONP	Up to 30 pounds per cubic foot	Up to 1,350 pounds
PET	Up to 16 pounds per cubic foot	Up to 725 pounds
UBC	Up to 18 pounds per cubic foot	Up to 825 pounds
Steel Cans	Up to 29 pounds per cubic foot	Up to 1,325 pounds
HDPE	Up to 17 pounds per cubic foot	Up to 750 pounds

Bale Specifications

Bale Size	30" H x 45" W x 60" L
Bale Volume	46.9 Cubic Feet
Bale Weights	Up to 1,350 pounds of Fiber
Bale Density	Up to 30 pounds per cubic foot

¹ No-load cycle time represents the approximate time it takes for the plunger to cycle from the full retract position, out to the midpoint of the eject chamber, and back to full retract position with an empty charge box and bale chamber.

² Normal displacement times include 3.5 seconds for valve shifting and decompression as time delays to allow the material to adequately disperse in baling chamber.

³ Hourly production includes the delays above with every stroke. Tons per hour are based on operating efficiencies of 60% on 1#/CF material, 55% on 2#/CF material, 48% on 3#/CF material, 41% on 4#/CF material, 36% on 5#/CF material, and 31% on 6#/CF material and include the tie cycle. Bale weights and hourly production can be affected by variables including feed rate, moisture content, shape, size, thickness, and mass of the material being baled.

Electrical

30

Main Power (Motors)	30hp
Voltage	480V - 3 Phase - 60 Hz
Starting	Across the line starting 480/3/60 (Standard)
Cooling Fan	1/3hp
Electric Eye	One level of photo sensors for precise control of baling.
Controls	Programmable Logic Controls enable automatic operation without an operator (for some materials) and allow for custom parameters to be set up for different grades including bale count, run time, and wire placement.
Economizer	If machine is inactive for a preset time, motor will be shut off and only start again when material blocks the photo sensors.

Compressing Statistics

Main Cylinder

Compressing Force	150,796 pounds; in tons → 75.4
Cylinder Diameter	8" I.D. Bore x 5.5" Rod
Normal Operating Pressure	3,000 psi
Ram Face Pressure	92.4 psi
Stroke	76" (Penetrates to within 9 3/4" of back wall)

Ejection Cylinder

Compressing Force	115,453 pounds; in tons → 57.7
Cylinder Diameter	7" I.D. Bore x 5" Rod
Normal Operating Pressure	3,000 psi
Ram Face Pressure	105.6 psi
Stroke	80" (Full Eject)

Technical Data

30

Pump	Triple vane
Pump Flow (GPM)	64.5
Oil Reservoir Capacity ⁴	150 Gallons
Total System FLA	53
Cooling	Air to Oil with Fan
Automatic Wire Tier	Accent 470 standard for 11 ga. Or 12 ga. Galvanized Wire.
Oil Type	ISO Grade 46 (in most climates)
Filtration	Combination of cleanable tank screens, magnets, and 6-micron 200 beta-rated filter with clogged filter indicator.

⁴ Additional oil will be required after operating cylinders to fill hoses and cylinders.

Construction

Fabricated from heavy structural steel members and plate, gusseted and braced as required. Fitted in jigs and fixtures for proper alignment. Side walls are made of 700 Brinell abrasion-resistant steel. Surface is painted with an industrial primer and two coats of industrial enamel.

Liners

Weld-on 500 Brinell high abrasion-resistant steel floor liners.

Shear Blade

Shimmable AR serrated bolt-in shear beam blade.

Bale Separation Door

Vertical hydraulic bale separation door.

Plug Retention Device

Hinged hydraulic plate at bale eject.

Standard Features

Main Ram Penetration to within 9¾" of end wall
NEMA 12 Electrical Enclosures: MCC & CC
Allen Bradley MicroLogix PLC
10" EXOR eSMART Touch Screen operator interface
Laser Ram Positioning
Conveyor Starter up to 3hp
11 or 12 ga. Accent 470 Wire Tier w/Startup Wire & Dust Cover
UL Listed Electrical Enclosure
Submersible Oil Heater Maintains Minimum Oil Temperatures
Category 3 Compliance

Bale Separation Door
92.4 psi Main Ram Face Pressure
Trunnion Mounted Main and Eject Cylinders
Adjustable Plunger Hold Down Bars
Bale Table to Support Ejecting Bales
Left Hand or Right Hand Eject Available
Plug Bale Retention Device
Flared Hand-feed Hopper
Manifold Hydraulics
Remote VPN Internet Access ⁵
Machine is Factory Tested Before Shipment

⁵ Allows possible remote troubleshooting and program changes. Internet connection to the baler is the customer's responsibility.

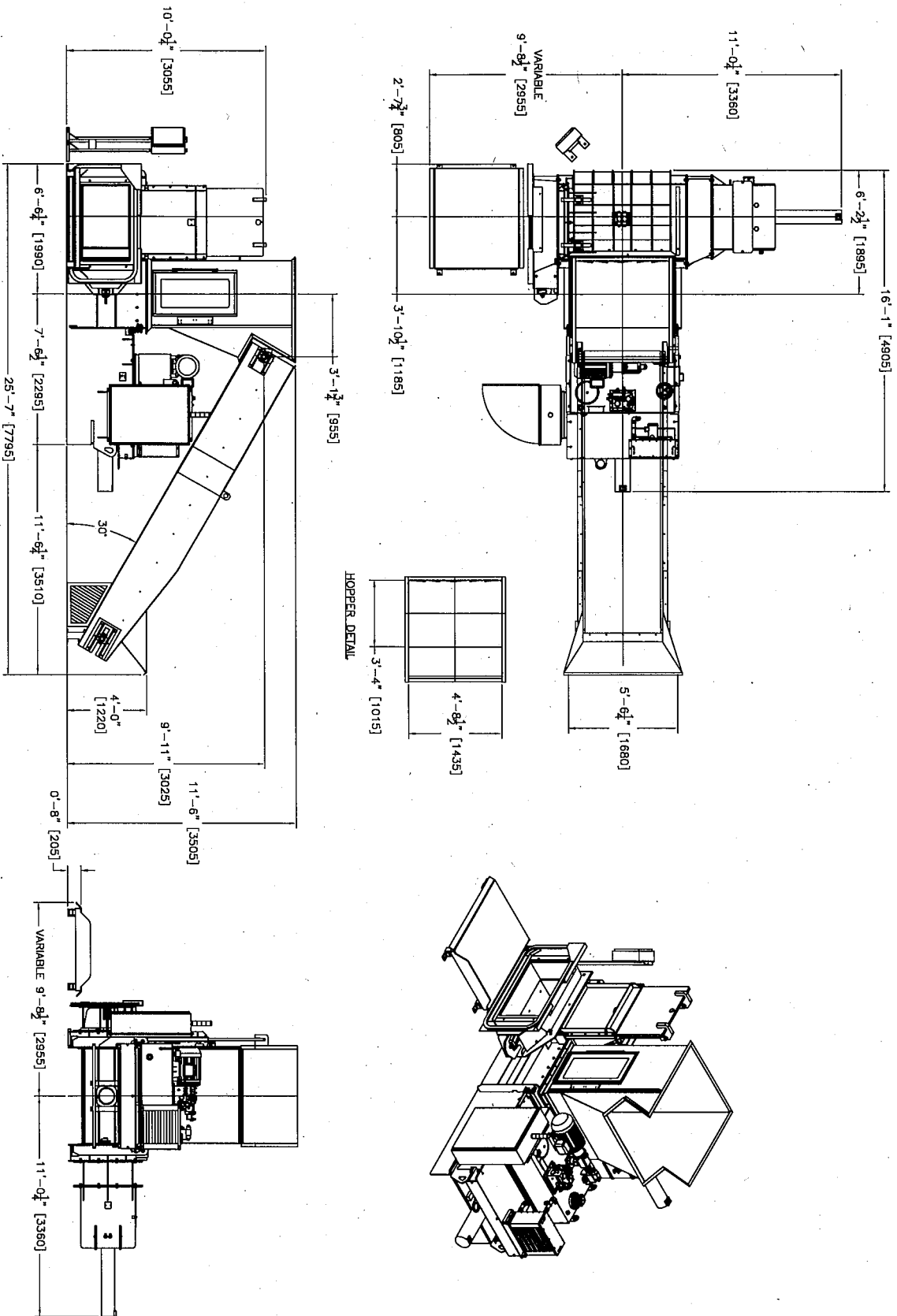
Available Options

Variable Speed Conveyor Controls Adjustable belt speed for different grades being baled.
Reduced Voltage Starting Used to reduce electrical startup draw.
Slider-bed Baler Feed Conveyor 48" Wide in-floor and above-floor models available.
Conveyor Transition Hopper..... 56½" inside width with access door and safety interlock switch.

Warranty

Subject to American Baler Company's "Terms and Conditions". Please see the **American Baler Warranty Policy**.

American Baler Company reserves the right to modify these specifications without notice or liability to previously sold machines.



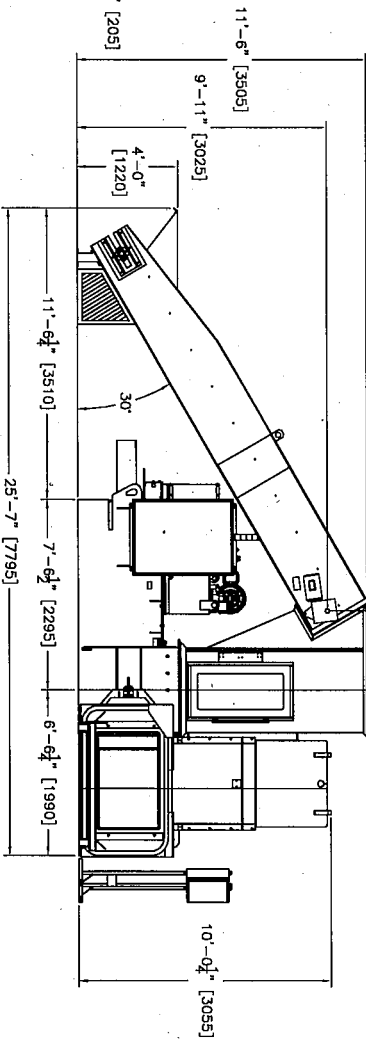
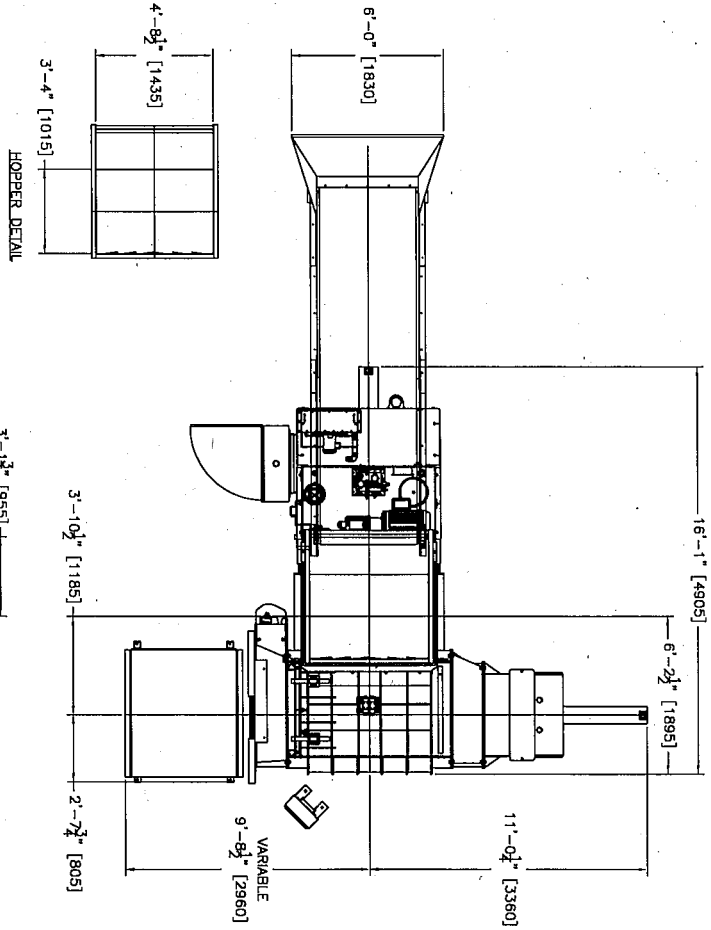
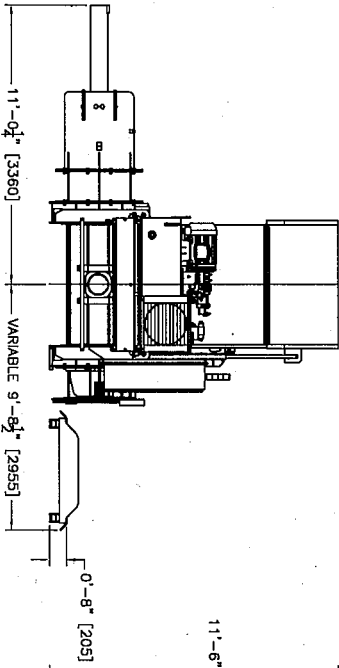
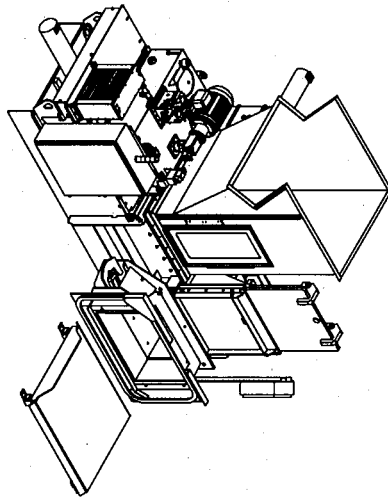
APPROVED BY: _____

DATE: _____

DIMENSIONS ARE NOT CERTIFIED

WALTMAN
 800 East Center Street
 Belton, TX 76708
 817-338-1111

W4091-8300 LH VERTICAL DOOR & AG CONVEYOR
 INSTALLATION DRAWING
 ABC2016-W409D-AG



APPROVED BY _____ DATE _____

DIMENSIONS ARE NOT CERTIFIED

AMERICAN PALETT
 800 East Center Street
 Solon, Ohio 44137
 Phone: 216-251-1516 FAX: 216-251-1511

W409B-830D RH VERTICAL DOOR & AG CONVEYOR
 INSTALLATION DRAWING
 ABC2016-W409D-AG



W409 Series

For OCC, ONP, MOW and containers



Key Features:

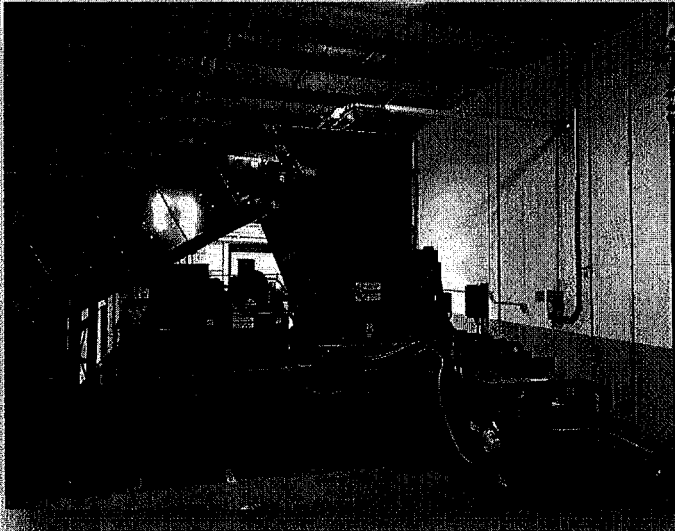
Small Footprint
Easy to operate controls
Most economic 2 Ram

W409 Series

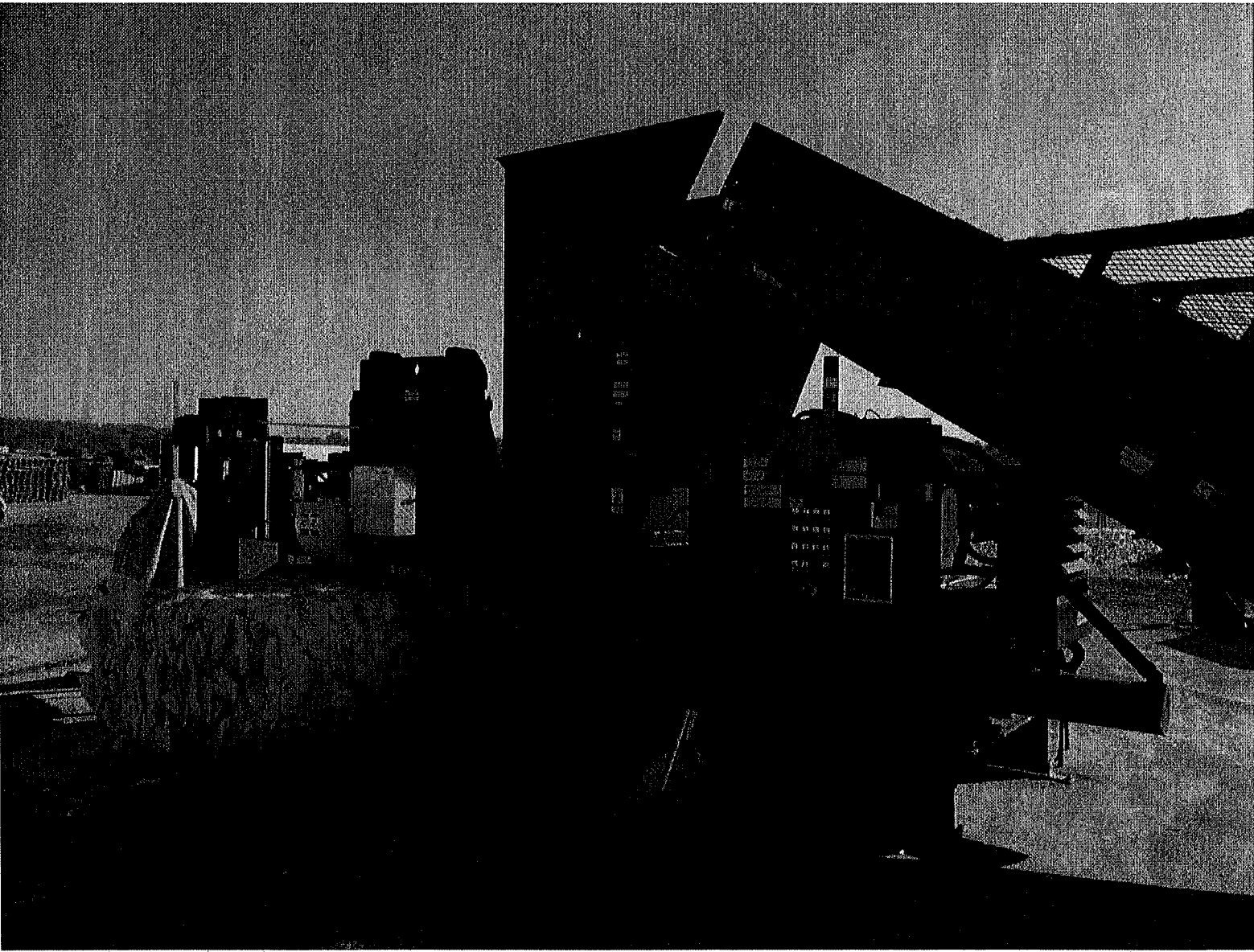
Bale Size: 60" x 30" x 45"
Feed Opening: 40" x 60"
Main Cylinder: 8" bore trunnion design
Main Ram Penetration: Deep penetration into bale chamber System Pressure: 3000 psi
Main Motor: 30 HP
Feed Type: Conveyor, loader
Wire Tying: Accent 470 standard
Shear: Serrated shear blade standard
Bale Retention: Automatic hydraulic bale sizing flap
Optional: Vertical bale separation door
Meets all current ANSI 245.51 Safety Standards

PRODUCTION OPTIONS

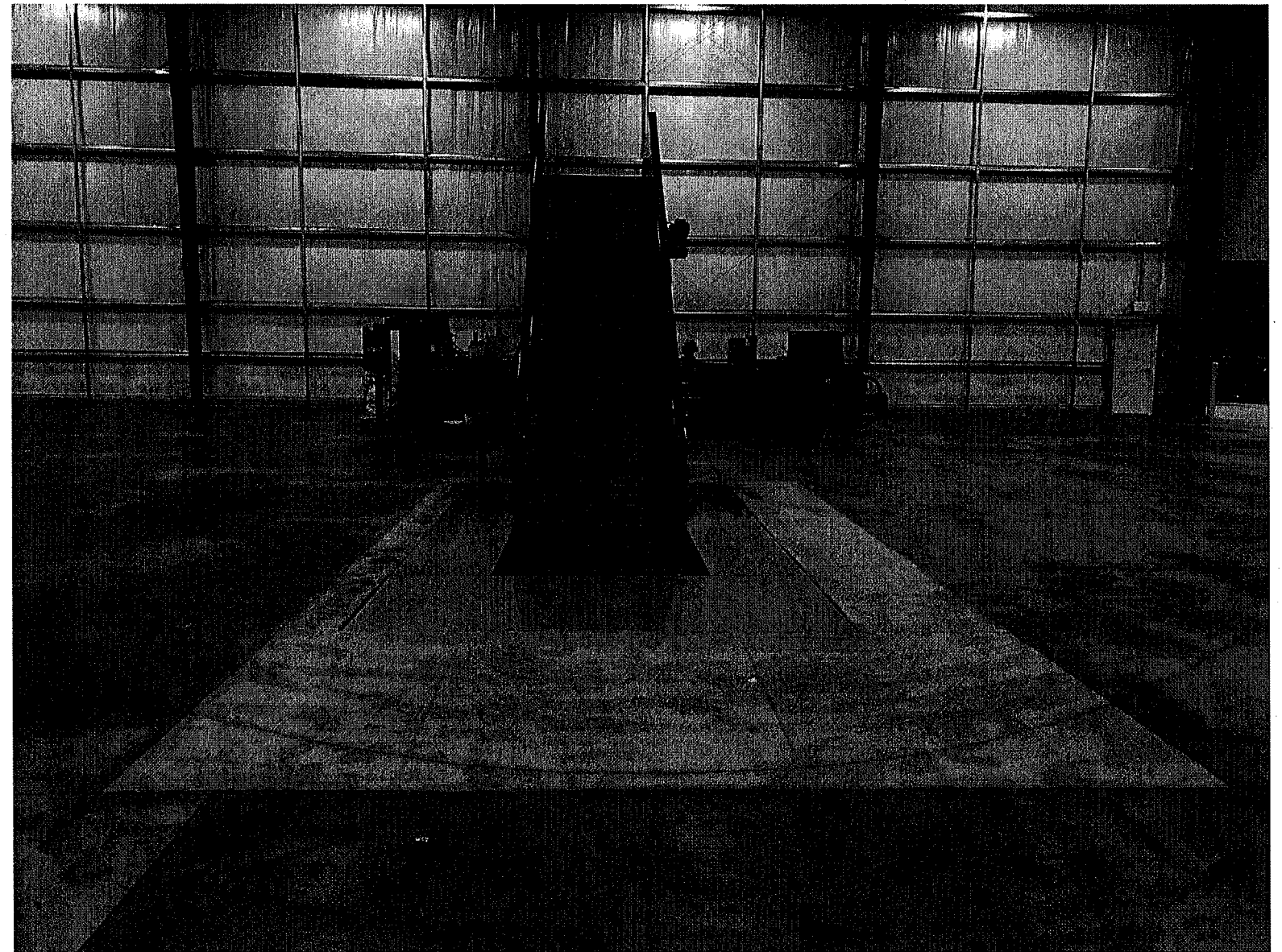
Standard Conveyor Hood with Interlocked Door
Feed Chute with Interlocked Door & Window
Mount Cycle Infrared Below the Shear
Plastic Strapper in lieu of standard wire strapper
Panel Heater
NEMA 4 upgrade
Additional High Level Infrared

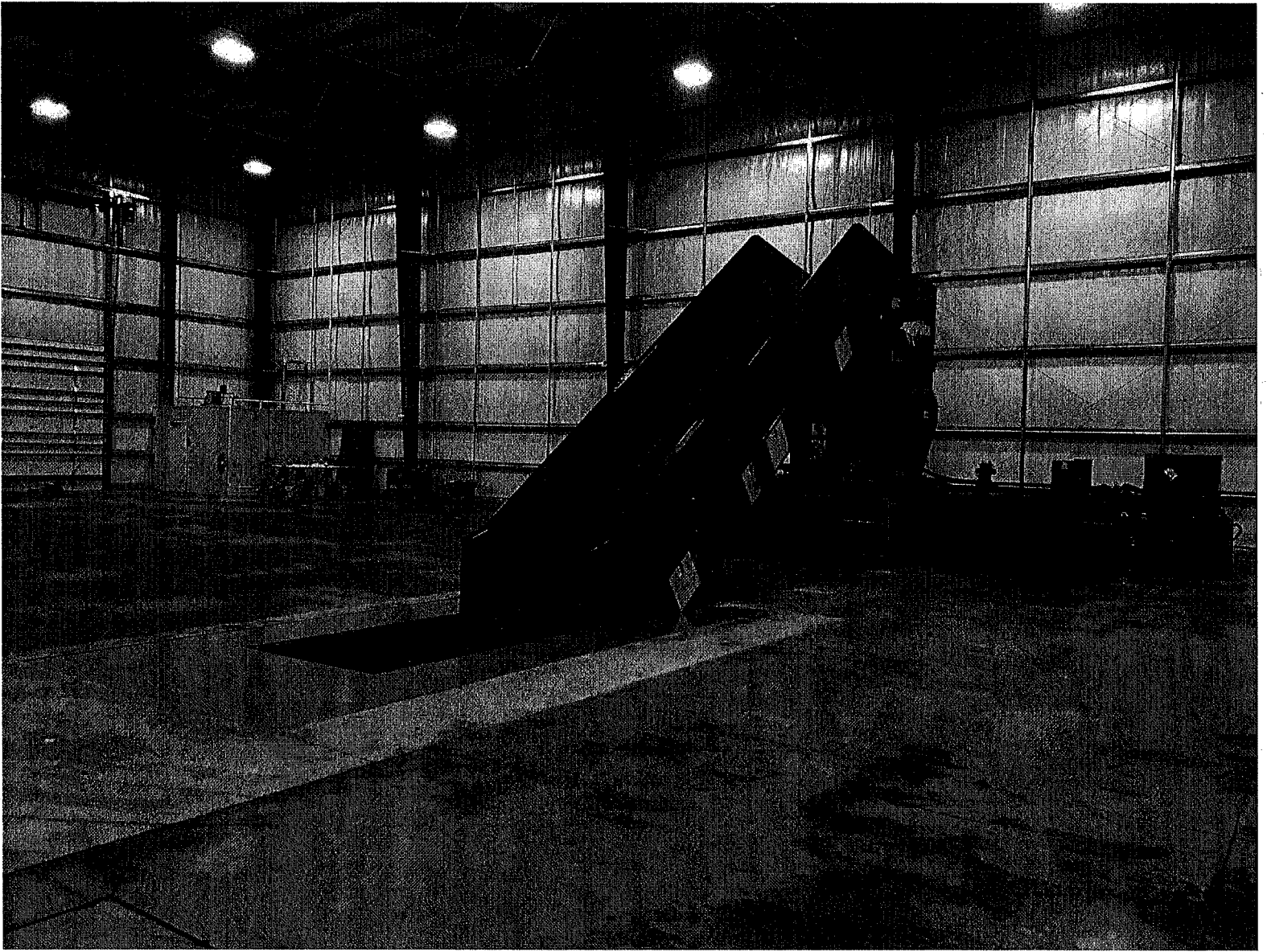


Distributed By:









BALERS*SHREDDERS*AIR SYSTEMS*CONVEYORS*PARTS*WIRE*SERVICE

To:	Rich Backer	Date:	Tuesday, August 17, 2021
Company:	Northwest Vermont Solid Waste	Telephone:	(575) 494-3612
	150 Morse Drive	E-mail:	rbacker@nwswd.org
	Georgia, VT 05454	Job Name:	New Wastequip Compactor

One (1)	New Wastequip Model 645XHD-7 6 Yd. Heavy Duty Compactor	
	20 HP Motor, 97.5" x 60" Clear Top Opening, 7.25" Cylinder, And Includes:	
	* Key Start - Auto & Jog Remote Push Button Station on 15' Sealtite	
	* Container Full Light & Shut Down	
	* Guardian Control System	
	* Automatic Maintenance Scheduler	
	* 100% Full Light	
	* NEMA 4 Weather Proof Gasketed Panel	
	* Complete U.L. Listed System	
	* 80,800 Lbs. of Ram Pressure	
	* Low Temperature Oil, 0 Degrees F Operation	
	* Over Ride - Packout - Hydraulic Pressure Boost	
	* Tri Voltage Energy Efficient 30 HP TEFC Motor - 208/230/460 60HZ	
	* 1/2" Thick Hi-Strength Plate In Charge Box Construction	
	* Meets ANSI Z 245.2 Safety Standards	
	* Power Unit Integral, Panel Inside Compactor Left Side Only	
	* Double Wire Braided Hoses	
	* Multi-cycle Timer	
	* Extra Cylinder Support For Longer Cylinder Life	
	* Three Years Structure and Cylinder, One Year Components, 6 Months on Labor	
	Price, F.O.B. Factory	\$ 35,233.00
One (1)	80% Full Advanced Warning Light	\$ 443.00
One (1)	Pressure Gauge – Color Coded and Numeric – On Power Unit	\$ 210.00
One (1)	Guide Rails – 5' Standard	\$ 300.00
One (1)	Oil Heater, Thermostatically Controlled	\$ 1,300.00
One (1)	8' Wide Walk-on Ramp	\$ 1,910.00
One (1)	Safety Gate w/ Magnetic Interlock	\$ 2,160.00
One (1)	Steel Surcharge	\$ 6,500.00
	Sub-total	\$ 48,056.00

- Note: *Please Allow 12 to 14 Weeks For Delivery.
 *Permanent Electrical Wiring, Conduit, and Cables NOT Included.
 *Price Excludes Any Applicable Fees, Taxes, Permits, Etc.
 *Freight, Delivery, and Installation Cost Available Upon Request.

We propose to furnish material and labor – complete in accordance with above specifications. Payment terms are as follows:

Terms: 35%Down/55% Prior To Shipping/10% Net 10

Due to cost of raw materials, labor and inventory, this down payment is nonrefundable in the event of a cancellation of order.

Matt Pompeani
OBC Industrial

Name/Title

Company/Date

When placing order please sign and return.

OBC Industrial * 11288 Alameda Dr. * Strongsville, OH 44149

Phone: (216) 398-8800

PRE-CRUSHERS

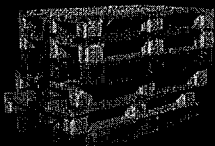
445XHD, 645XHD & APC Series



▶ Wastequip Pre-crushers offer extreme crushing power, with maximum force ranging from 70,000 to 141,000 pounds, making them some of the most powerful in the industry.

▶ Waste is pre-crushed in a steel chamber for greater density than standard compactors.
▶ Pre-crushers provide up to 150% more crushing power than standard compactors.

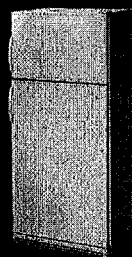
IDEAL FOR:



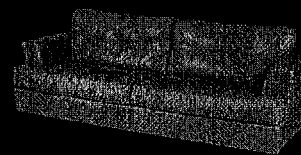
Wood Pallets



Metal Drums



Appliances

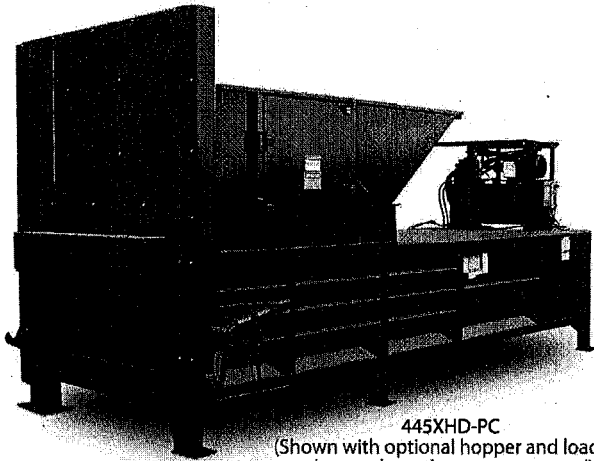


Furniture

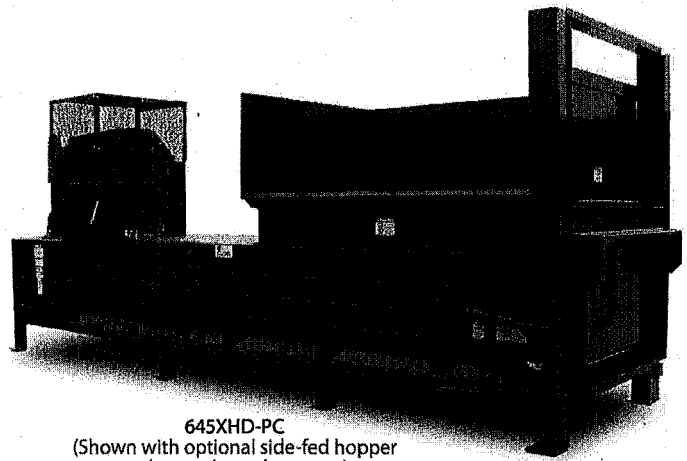


Product Destruction

EXTRA-HEAVY-DUTY MODELS



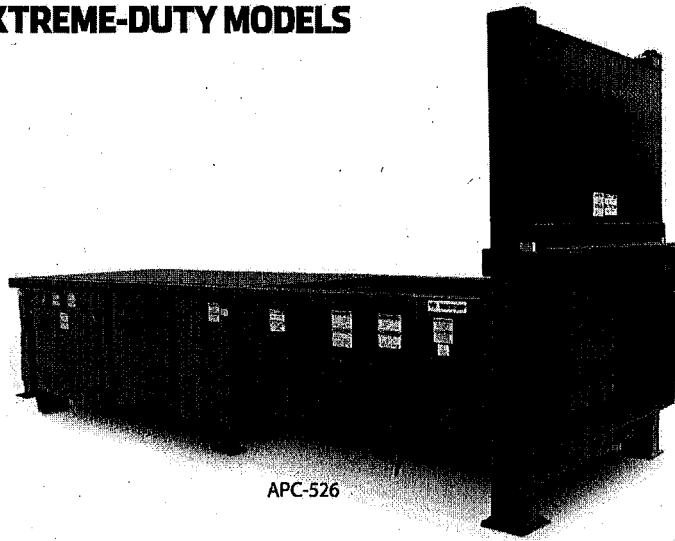
445XHD-PC
(Shown with optional hopper and loading door and weather cover removed)



645XHD-PC
(Shown with optional side-fed hopper and vented weather cover)

SPECIFICATIONS		445XHD-PC	445XHD-7-PC	645XHD-PC	645XHD-7-PC20	645XHD-7-PC30
CHARGE BOX	Wastequip rating	4.00 cubic yards		6.00 cubic yards		
	Wastec rating	2.59 cubic yards		4.12 cubic yards		
	Clear top opening	58.5" length x 60" width		60" length x 97-1/2" width		
	Compactor weight with power unit	9,200 lbs.	10,000 lbs.	11,900 lbs.	12,200 lbs.	
RAM	Ram height	30.50"		30.50"		
	Ram penetration	14.00"		15.00"		
	Face plate	1/2" steel with 3/4" stiffener plates				
	Base plate	3/8" AR plate with 3" channels at 24" spacing				
	Top plate	1/4" formed plate		1/4" formed plate with 3" channels at 12" spacing		
COMPACTOR HEAD	Side plates	1/4" formed plate		1/4" formed plate		
	Floor	1/2" AR plate with 4" channels at 12" spacing		1/2" AR plate with 4" channels at 12" spacing		
	Sides	1/4" steel plate sheets with 4" x 3" vertical tube stiffeners, 3" x 2" horizontal stiffeners		1/4" steel plate sheets with 4" x 3" vertical tube stiffeners, 3" x 2" horizontal stiffeners		
	Breaker bar	8" x 8", 1" angled steel		8" x 8", 1" angled steel		
ELECTRICAL	Top deck	11 gauge steel (standard)		11 gauge steel (standard)		
	Electric motor	15 hp (TEFC)		15 hp (ODP)	20 hp (ODP)	30 hp (ODP)
	Voltage	208/230/460, 3-phase 60 Hz		208/230/460, 3-phase 60 Hz		
	Power box	UL rated		UL rated		
HYDRAULIC PERFORMANCE	Automated cycle operation	Turn-key switch-ram extends, retracts & stops automatically		Turn-key switch-ram extends, retracts & stops automatically		
	Pump	16.0 gpm	15.0 gpm	15.0 gpm		
	Pump type	Fixed vane				
	Hydraulic oil tank	25-gallon reservoir	56-gallon reservoir	56-gallon reservoir		
	Cylinder bore/rod/stroke	6.25" bore, 4.75" rod, 80" stroke	7.25" bore, 4.75" rod, 80" stroke	6.00" bore, 4.50" rod, 120" stroke	7.00" bore, 4.50" rod, 120" stroke	
	Normal ram face pressure	64,400 lbs. at 2,100 psi	82,500 lbs. at 2,000 psi	59,300 lbs. at 2,100 psi	80,800 lbs. at 2,100 psi	
	Maximum ram face pressure	70,500 lbs. at 2,300 psi	88,700 lbs. at 2,150 psi	67,800 lbs. at 2,400 psi	88,500 lbs. at 2,300 psi	
	Normal ram psi	35.19 psi	45.08 psi	32.40 psi	44.15 psi	
	Maximum ram psi	38.52 psi	48.47 psi	37.05 psi	48.36 psi	
	Cubic yard per hour	164	163	252		
	Power unit location	Remote		Remote		
Cycle time	57 seconds		59 seconds			
CONTAINER SPECS	Rated	70,000 lbs.	90,000 lbs.	70,000 lbs.	90,000 lbs.	
	Ratchet binders	1-3/8" ratchet binders with 1" hooks standard	1-3/4" ratchet binders with 2" hooks standard	1-3/8" ratchet binders with 1" hooks standard	1-3/4" ratchet binders with 2" hooks standard	

EXTREME-DUTY MODELS



APC-526

STANDARD FEATURES FOR ALL MODELS

Close up view of tongue and groove floor and sidewall

	SPECIFICATIONS	APC-426	APC-526
CHARGE BOX	Wastequip rating	4.00 cubic yards	5.00 cubic yards
	Wastec rating	3.49 cubic yards	4.29 cubic yards
	Clear top opening	83.5" length x 56" width	106" length x 56.125" width
	Compactor weight with power unit	17,466 lbs.	18,855 lbs.
RAM	Ram height	27"	
	Ram penetration	21"	
	Face plate	3/4" AR plate 42" x 58"	
	Base plate	3/8" AR plate	
	Top plate	3/8" AR A36 plate	
COMPACTOR HEAD	Side plates	3/8" AR A36 plate	
	Floor	3/4" AR plate	
	Sides	3/8" AR plate	
	Breaker bar	6" x 2" x 1/4" doubled with 1" x 6" x 6" angle face	
ELECTRICAL	Top deck	3/8" A36 PL	
	Electric motor	20 hp *30 HP option	
	Voltage	208/230/460, 3 phase 60 Hz	
	Power box	UL rated	
HYDRAULIC PERFORMANCE	Automated cycle operation	Turn key switch-ram extends, retracts & stops automatically	
	Pump	29 gpm	
	Pump type	Double vane	
	Hydraulic oil tank	64-gallon reservoir	
	Cylinder bore/rod/stroke	(2) 6.00" bore, 4.50" rod, 116" stroke	(2) 6.00" bore, 4.50" rod, 136" stroke
	Normal ram face pressure	127,200 lbs at 2,250 psi	127,200 lbs at 2,250 psi
	Maximum ram face pressure	141,400 lbs at 2,500 psi	141,400 lbs at 2,500 psi
	Normal ram psi	79.8 psi	79.8 psi
	Maximum ram psi	88.7 psi	88.7 psi
	Cubic yard per hour	116	161
	Power unit location	Remote	
	Cycle time	99 seconds	114 seconds
	CONTAINER SPECS	Rated	90,000 lbs.
Ratchet binders		1-3/4" ratchet binders with 2" hooks standard	

AR (abrasion-resistant) tongue and groove floor:

Limits destroyed material from becoming trapped between the ram and the floor.

AR (abrasion-resistant) tongue and groove side walls:

Limits destroyed material from becoming trapped between ram and side walls.

Fully automatic cycling:

Simply turn the key to the crush mode position for fully automatic cycling, which provides easier and more efficient operation.

Advanced PLC (Programmable Logic Controller) can be set to crush against the blade multiple times, if needed.

Full light:

Alerts operator when the container is full.

Side access panels:

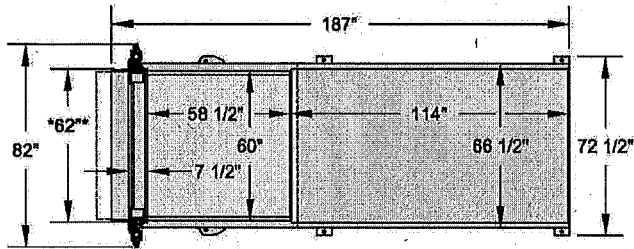
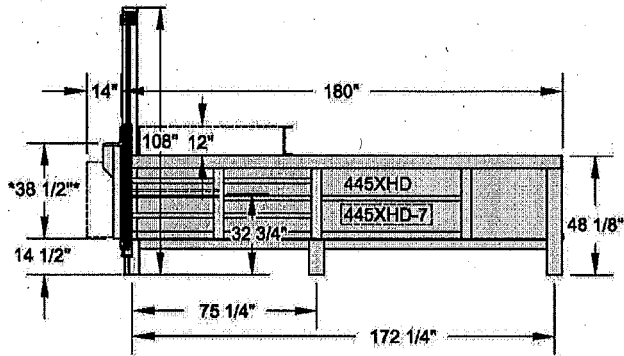
Easily removable for preventative maintenance and servicing.

NEMA 4 rated control panel:

Provides additional protection against splashing water, hose-directed water, and dust.

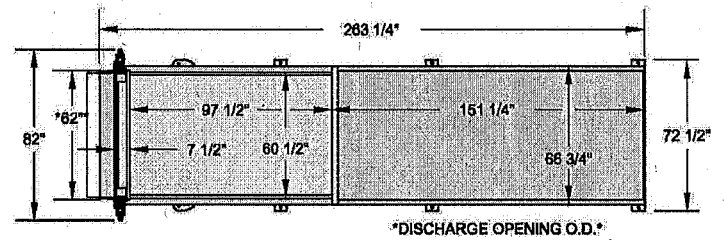
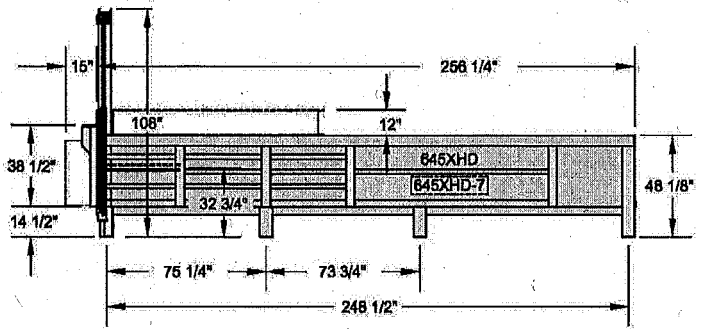
PRE-CRUSHER DIMENSIONS

445 MODELS



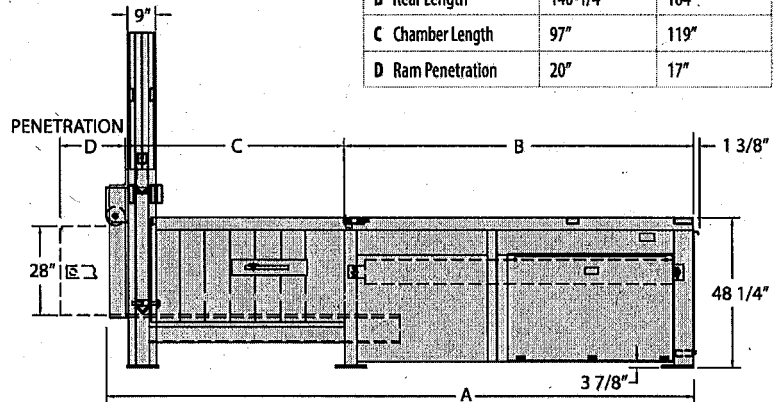
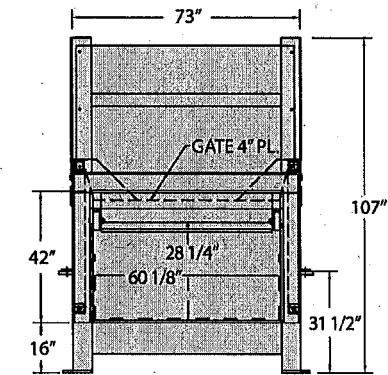
* DISCHARGE OPENING O.D. *

645 MODELS



DISCHARGE OPENING O.D.

APC MODELS



PRE-CRUSHER MODEL	APC-426	APC-526
A Overall Length	242-3/4"	289-1/4"
B Rear Length	140-1/4"	164"
C Chamber Length	97"	119"
D Ram Penetration	20"	17"



Replacement parts available online at www.gotoparts.com.

Standard Color Choices



Colors shown are as accurate as printing allows. The actual color is subject to variation from the printed color sample. Color choices vary by plant location. Please contact your local sales representative for available colors. Custom colors are available upon request and are subject to an additional charge.



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