

# 27TH AVE. SOLID WASTE MANAGEMENT FACILITY - USA CRINC.

27TH AVE. SOLID WASTE MANAGEMENT FACILITY -  
 USA CRINC.  
 PHOENIX, AZ  
 Plant Manager: Jerry Hanz  
 Phone: 602-353-9099

Plant Type: Multi-Material MRF  
 Start Up Date: 1998  
 Status: Operational

## TECHNICAL SPECIFICATIONS

Throughput	High Tech / Low Tech: High Tech
Tons Per Day: 195.00	Number of processing lines : 1
Tons Per Year: 76,711 (2000)	Materials: All Materials
Residue: 26%	Site Size (acres): 2.0
Residue Disposal: Landfill	
Co-location? Yes	
Transfer Station	

### Materials & Equipment

Line 1	Line 2	Line 3	Manufacturer(s)
<b>All Materials</b>			
Conveyors			Bezner
Horizontal Balers			1 Van Dyke; Bollegraaf
Trommels			Mobark
Crushers			
Perforators			
Other Equipment			Tub Grinder-Mobark
Sorting System			Bollegraaf with starscreen

## MATERIALS RECOVERED & BREAKDOWN

Tons per day for material categories and when available, specific materials.

<b>FIBER:</b>	<b>162.07</b>	<b>PLASTIC:</b>	<b>12.48</b>	<b>METAL:</b>	<b>9.12</b>	<b>GLASS:</b>	<b>8.89</b>
ONP	131.88	<b>PET:</b>	3.36	Tin-Plated Steel Cans	4.59	Clear	3.50
OCC	27.72	<b>HDPE:</b>	4.5	Aluminum Cans	2.62	Brown	3.77
OMG		Clear PET #1		Bi-Metal Cans		Green	1.62
Telephone Books	2.21	Colored PET #1		Other Ferrous Scrap	1.91	Mixed	
Junk Mail		Custom PET #1		Other Non-Ferrous Scrap			
Aseptic/Gable Top	.18	Natural HDPE #2	2.99				
Chipboard		Colored HDPE #2	1.51				
Computer Paper							
Mixed Office Paper (MOP)							
Kraft Bags							
Mixed Paper							
<b>OTHER ORGANICS:</b>							
Yard Wastes							
C & D MATERIALS							
Wood							

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## WASTE STREAM CHARACTERISTICS

Single Stream: Yes		Material Streams:	
Materials Marketed:		FIBER	NON-FIBER
Fiber	Atitibi- (Snowflake, Az)	Residential	Glass, Metals & Plastics
Pet	Local User		
Glass	Cra		

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## OPERATIONS AND PERSONNEL

Days of Operation Per Week: 5	Total Full Time Employees: 40.00
Shifts Per Day: 2	Sorters: 33.00
Days of Operations Per Year: 260	Ratio Sorter / TPD: 17%

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## INSTITUTIONAL ARRANGEMENTS

Owner: City Of Phoenix	Developer: USA CRINC.
Operator: Waste Management, Inc. (Usa Crinc.)	Geographic Area: Part Of City/Town
Own/Operator Relationship: Private Firm Under Contract With Public Sector	Serves Part Of City Of Phoenix.
Operating Contract	Households Served: 200,000
Operator Responsible For: Recyclables Processing	
Contract Term: 5	
Contract Start: 1998	
Contract End: 2003	
Renewal Option: 1 5-Yr Renewal Option	
Revenue Share: 10% CRInc.-90% City	
Processing Fee: Base Rate \$34.00/Ton. Reduced Based On Annual Throughput Of Plant.	

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## FINANCIAL ARRANGEMENTS

Original Capital Cost and Year: \$17,500,000 (1998)	Annual Material Sales Revenues: \$6,800,000 (1999)
Adjusted Capital Cost (2000 dollars): \$18,200,0000	Residue Disposal Fee Per Ton: \$20.25
Sources of Capital Funding: Tax-Free Revenue Bonds	Paid by: Local Gov.
Additional Capital Cost	Tip Fee Collected: No Tip Fee
COST	YEAR
\$10,000,000	(1997)

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## COMMENTS

This facility was originally built as a transfer station for residential and commercial waste. It was designed by engineers with the help of artists and city personnel. There are educational tours of the facility with an elevated walkway to view recycling and transfer processes. In 1997, the City of Phoenix procured a residential MRF to be built adjacent to this facility. Not doing any commercial recycling currently, although equipments exists in MRF to add commercial recycling to the program. Managed by Waste Management, Inc. Facility was one of the first to handle single stream of materials.

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## CONTACT(S)

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