

How To Report The New Plastic Rates On The DR-1 and HR-1 Forms

Having two rates for plastic will require additional reporting by CRC operators. However, the reporting will be similar to what operators are already doing to report how many containers were refunded by count and weight by material.

DR-1 Form

Plastic will require two separate rows for loads of Containers Per Pound (CPP) rate used to calculate the deposit refund. One row for weight reported at the mixed rate (17.5) and one row for weight reported at the small rate (22.7).

Example 1.

	Incoming Load/Container Number for Recyclables Collected During Reporting Period	Record One For Each Type Container Quantity or Weight (lbs)		Total Refund Value (\$)	Destination Recycling Facility (Name of Facility & Address)
		QTY	LBS		
Deposit Refund Paid to Customer					
Plastic DBC	07-CRC1234	3000		\$ 150.00	XXXXXX
	17.5 per lb.		4000	\$ 3,500.00	
	22.7 per lb.		100	\$ 113.50	
	07-CRC5678	1000		\$ 50.00	XXXXXX
	17.5 per lb.		7000	\$ 6,125.00	
	22.7 per lb.		2000	\$ 2,270.00	
Total		4000	13,100	\$ 12,208.50	

1. Loads counted are reported under the “QTY” column.
Calculation used: $3000 \times .05 = \$150$
2. Loads weighed using the mixed rate (17.5) are reported in the “LBS” column.
Calculation used: $(4000 \times 17.5) \times .05 = \$3,500$
3. Loads weighed using the small rate (22.7) are reported in the “LBS” column.
Calculation used: $(100 \times 22.7) \times .05 = \113.50

HR-1 Form

Reporting on the HR-1 Form will remain the same.

Example 2.

Handling Fee Request							
	Weight Ticket or Container Number	Associated Load Numbers (from Refund Request Form)	Ship / Deliver Date(s)	Total Weight (lbs.)	DBC Weight (lbs.)	Destination (Name of Facility & Address)	Date of Arrival at Destination
Plastic	XXXXXXXX	07-CRC1234	XXXXXXXX	XXXXXX	4,271.43	XXXX	xxxxxx
		07-CRC5678	XXXXXXXX	XXXXXX	9,057.14	XXXX	xxxxxx
Total Weight (lbs.)					13,328.57		
Total Handling Fee (\$)					\$4,665.00		

1. On the DR-1 Form it was reported that load “07-CRC1234” included:
 - a. 3000 containers counted
 - b. 4100 lbs. weighed

To calculate total weight for this load the 3000 count must be converted to weight. Use the mixed rate (17.5) to calculate total weight of containers refunded by count.

Calculation used: $3000/17.5 = 171.43$ lbs.

Next, add the “count” weight to the “weighed” weight.

Calculation used: 171.43 lbs. + 4100 lbs. = 4271.43 lbs.

On the HR-1 Form, the reported total weight for load “07-CRC1234” is 4271.43 lbs.

2. Total the weight reported in column “DBC Weight (lbs.)” Multiply the weight by the mixed rate (17.5) to get a total. Then multiply this total by the appropriate handling fee (2¢ for Oahu or 3¢ for neighbor islands).

Calculation used: $(13,328.57 \times 17.5) \times .02 = \$4,665.00$

A Closer Look At Using The Mixed Rate (17.5) To Calculate Handling Fees On The HR-1 Form

The intent of creating a small rate (22.7) for plastic is to improve the accuracy of individual consumer transaction at the redemption center. Consumers recycling plastic bottles at redemption centers typically will not have a wide enough range of bottle sizes for the average CPP (containers per pound) rate (or mixed rate) to accurately calculate their refund. However, redemption center operators collect the entire gamut of container sizes, so the average CPP is appropriate to use in calculating handling fees on the HR-1 Form.

The table below shows data on plastic from the segregated rate study. The left side of the table shows how the average CPP rate will work out for the certified redemption center operator. Column A shows what the operator would get for the actual number of containers recycled for each of the 3 class sizes (91¢). Column B shows what the operator would get by using the mixed rate of 17.5 to calculate the handling fee (2¢) per pound of plastic (\$1.05). Column C & D show if the operator received more or less handling fee than what the actual container count would have yielded for each class size.

Plastics

Class	Cont. Count	% Tot Count	Cont. Weigh	% Tot Weigh	CPP	A	B	C	D
						Fee Per lb.	Report Per lb.	Difference	Received
1	4088	61.40%	180.43	47.54%	22.6570	\$0.45	\$0.35	-\$0.10	less
2	2200	33.04%	158.04	41.64%	13.9205	\$0.28	\$0.35	\$0.07	more
3	370	5.56%	41.03	10.81%	9.0178	\$0.18	\$0.35	\$0.17	more
Total	6658		379.50			\$0.91	\$1.05	\$0.14	

A = Fee multiplied by actual number of containers

B = Fee multiplied by Segregated Rate

C = Difference (B-C)

D = Operator received more or less handling fee than the actual container count would have yielded

Class Sizes by fluid ounces

Class 1: 0 – 17 oz.

Class 2: 17.1 – 35 oz.

Class 3: 35.1 – 64 oz.