

**RUMSON-FAIR HAVEN HIGH SCHOOL**

**WASTE AUDIT REPORT**

The week of January 22 through January 28, 2007, Mr. Jamie Mellish, Borough of Rumson Recycling Coordinator and Jim Brown of the Monmouth County Office of Solid Waste and Recycling conducted a waste audit of the Rumson-Fair Haven High School.

The generation of trash, disposed trash, the recovery of recyclable materials and contamination of trash with recyclable materials was based upon a visual inspection of all containers used as part of the high school’s solid waste management program.

**WASTE DISPOSAL CAPACITY, WASTE GENERATED AND WASTE DISPOSED**

- **Waste Disposal Capacity = 60 cubic yards per week**

Quantity of Containers	Type of Containers	Capacity of Containers in Cubic Yds	Total Weekly Capacity in Cubic Yds.
2	Packer	6	60

- High School has two (2) – six cubic yard packer type containers for trash disposal
- Trash disposal containers are picked up once a day, Monday through Friday by the Rumson Department of Public Works

- **Waste Generated & Disposed – 3.487 tons per week – 139.5 tons per year**

Weekly Capacity Cubic Yds.	Weekly Capacity % Used	Weekly Capacity Used CY	Weeks in School Year	Annual Capacity Used CY	Cubic Yd. School trash to Pounds	Annual Total Pounds	Annual Trash in Tons
60	0.75	45	40	1,800	155	279,000	139.50

- High school uses approximately 45 cubic yard (75%) of the available trash disposal capacity each week
- Industry standard for 1 cubic yard of school trash = 155 pounds
- Annual tonnage is based upon a forty week school year
- Cubic yards disposed x pounds x school year / 2000 lbs. (1 ton) = tons disposed annually

- **Contamination (recyclables mixed with trash) – 1.046 tons per week = 41.85 tons per year**

Disposed Tons Per Week	% Recyclable Mixed with Disposed Tons	Tons of Recycle Per Week	Weeks School Year	Annual Recoverable Tons
3.487	0.30	1.046	40	41.85

- Observed 30% of the disposed trash contained recoverable recyclable mixed paper, and bottles and cans

### **RECYCLING CAPACITY, GENERATION AND AMOUNT RECOVERED**

- **Recycling Disposal Capacity**

	Quantity of Containers	Type of Containers	Capacity of Containers in Cubic Yds	Total Weekly Capacity in Cubic Yds.
Cardboard	1	Front End Load	8	16
Cardboard	Unlimited	Loose	4	Unlimited
Mixed Paper	1	Front End Load	6	12
Bottles & Cans	unlimited	30 Gallon	17 lbs.	unlimited

- High school uses one (1) – eight cubic yard (front end load) container for cardboard
- High school uses one (1) – six cubic yard (front end load) container for mixed paper
- Cardboard , mixed paper and newspapers are mixed together in both the cardboard and mixed paper recycling containers
- High school uses 30 gallon clear colored plastic bags for bottles and cans disposal
- Cardboard and Mixed Paper recycling containers are picked up two (2) times per week. Combining the cardboard and mixed paper container gave the high school 28 cubic yards of recovery capacity for cardboard and mixed paper each week
- Bottles and cans are brought to the Borough of Rumson Recycling Depot for disposal by high school custodial staff each day
- All recycling containers appear to be free of contamination of non recoverable trash

• **Recovered Recyclable Materials Generation - .88 tons per week 35.28 tons per year**

	Weekly Capacity Cubic Yds.	Weekly Capacity % Used	Weekly Capacity Used CY	Weeks in School Year	Annual Capacity Used CY	Cubic Yd. converted to Pounds	Annual Total Pounds	Annual Recycled in Tons
Cardboard & Paper	28	0.80	22.40	40	896	50	44,800	22.40
Cardboard	R.D.P.W.	unlimited	4	40	160	50	8,000	4.00
Bot.&Cans	R.D.P.W.	unlimited	32 bags	40	1,280 bags	17	21,760	10.88

- Cardboard and Mixed paper containers were at 80% capacity at time of pick up = 22.40 cubic yard per week = 22.40 tons per year
- Loose cardboard picked up by Rumson D.P.W. 2 cubic yard per week & Loose cardboard brought to drop-off center by custodian = 4 tons per year
- Bottles and cans – 32 bags per week = 10.88 tons per year
- Observed no contamination of disposable trash mixed with recovered recyclable materials

**INSIDE SCHOOL TRASH COLLECTION**

- High School uses a standard 28 quart Rubbermaid wastebasket for trash collection in offices and classrooms
- High School uses a standard 30 gallon Rubbermaid containers for trash collection in school cafeteria
- Custodians use clear colored 30 gallon trash bags to collect trash from offices, teacher’s rooms and classrooms.
- Observed some contamination in classrooms of trash and recyclable paper mixed together
- Appears better communication is needed between the day custodians and the private cleaning service in the evening. Observed trash and recyclable materials being mixed together during the collection process.

**INSIDE SCHOOL COLLECTION of RECYCABLE MATERIALS**

- High School has 13 quart blue containers in offices, teacher’s room and classrooms to collect mixed paper
- High School has sufficient containers in the cafeteria and hallways for the collection of bottles and cans
- High School has placed trash, bottle and can recycling containers together. This is the proper method to use, as it allows everyone to make the correct disposal choice
- Some containers could use proper identification labels
- Observed contamination in offices, teacher’s room and classrooms of mixed paper mixed with trash