# Appendix 7

## Osage Beach Transfer Station

## *APPENDIX 7 – OSAGE BEACH TRANSFER STATION*

The Osage Beach Transfer Station is owned and operated by Allied Waste, Incorporated. It is located at the intersection of Highway 54 and Highway Y in Camden County which is in Solid Waste Management District T.

*Demographics:*

| | Osage Beach | Camden County |
|---|---|---|
| Population | 3,583 | 37,051 |
| Number of Households | 1,664 | 15,740 |
| Average Household Size | 2.07 | 2.31 |
| Median Household Income | $38,448 | $35,840 |

*Solid Waste Collection*

Allied Waste is the primary collector in the Osage Beach Transfer Station service area. A few other private haulers bring waste to this facility as well. Recycling collection in the solid waste district is only by drop-off containers.

*Solid Waste Disposal*

The material received at the Osage Beach transfer station is bulked and hauled to the Allied Waste Landfill in Jefferson City. The current public tonnage fee is $52.50 per ton and an average 260 tons per day are processed through this transfer station.

*Waste Reduction, Recycling, and Recovery Programs*

Drop off recycling sites are available in some of the lake area communities. Otherwise, recycling is limited in this service area.

*Osage Beach Transfer Station Sort Results*

Sampling information and composition results are listed in Tables 7.1 through 7.6 and exhibited in Charts 7.1 through 7.4. Nothing extraordinary was noted by the sorters during the Osage Beach sort. Compared to the 1996-1997 WCS, Osage Beach had the largest variances in the Plastic (4.8% more) and Organics (4.7% less) categories as well as having 2.1% less Paper than in the previous study.

When compared to the overall 2006-2007 average, however, the Organics category was 4.4% less and represented the widest spread of difference by weight. The Osage Beach Transfer Station had the largest percentage by weight compared to the other 2006-2007 sampled sites in Brown Glass(2.48), Green Glass(1.13), Total Glass(7.08), Aluminum Cans(2), Electronic Waste(2.3), and Total Special Waste(3.5) as well as having the highest percentage by volume for Aluminum Cans(3.08), Electronic Waste(1.15) and Total Special Waste(2.08). The lowest percentage by weight in the Diaper subcategory(4.33) was also at the Osage Beach Transfer Station.

The Osage Beach Transfer Station is located in the high tourist and weekend home communities of the Lake of the Ozarks region. The abundance of glass and aluminum beverage containers would be consistent with this demographic paired with the limited availability of recycling services.

## Table 7.1 - Sample Summary - Osage Beach Transfer Station

| Fall 2006 | Sample Size | | Composition | | Collection |
|---|---|---|---|---|---|
| Sample # | Weight(lbs) | Volume(cy) | Res. | Comm. | Location |
| 1 | 194 | 1.6 | 90% | 10% | Rural Hwy Y area |
| 2 | 269 | 2.3 | 90% | 10% | Rural Hwy Y area |
| 3 | 224 | 2.1 | 90% | 10% | Linn Creek |
| 4 | 250 | 2.3 | 80% | 20% | KK, Tan-Tar-A |
| 5 | 236 | 2.0 | 100% | 0% | Hwy 54, 56 & KK |
| 6 | 257 | 2.1 | 90% | 10% | Lebanon |
| 7 | 201 | 1.9 | 80% | 20% | Lebanon |
| 8 | 263 | 2.4 | 90% | 10% | Camdenton |
| **Total Fall** | **1894** | **16.6** | | | |
| **Average** | **237** | **2.1** | **89%** | **11%** | |

| Spring 2007 | Sample Size | | Composition | | Collection |
|---|---|---|---|---|---|
| Sample # | Weight(lbs) | Volume(cy) | Res. | Comm. | Location |
| 1 | 286 | 2.3 | 60% | 40% | Lebanon |
| 2 | 206 | 1.9 | 90% | 10% | Camdenton |
| 3 | 258 | 2.3 | 90% | 10% | Brumley |
| 4 | 317 | 2.8 | 95% | 5% | Rural Camdenton & HH |
| 5 | 240 | 2.0 | 95% | 5% | Camdenton |
| 6 | 251 | 2.2 | 95% | 5% | Osage Beach |
| 7 | 257 | 2.4 | 95% | 5% | Rural Eldridge |
| 8 | 291 | 2.4 | 95% | 5% | Sunrise Beach & Rural Camdenton |
| **Total Spring** | **2106** | **18.3** | | | |
| **Average** | **263** | **2.3** | **89%** | **11%** | |

| | | | | | |
|---|---|---|---|---|---|
| **Site Total** | **4000** | **34.9** | | | |
| **Average** | **250** | **2.2** | **89%** | **11%** | |

| | |
|---|---|
| **Estimated Waste (lbs.) Accepted at Site During Sample Periods** | **1,560,000** |

**Table 7.2 - Osage Beach Transfer Station Fall 2006 Sort Results**

| | WT.(lbs.) | Avg.Wt.Per Load | % by Wt. | VOL.(c.y.) | Avg.Vol.Per Load | % by Vol. |
|---|---|---|---|---|---|---|
| Cardboard | 149 | 18.6 | 7.9% | 2.05 | 0.256 | 12.4% |
| Newsprint | 92 | 11.5 | 4.9% | 0.635 | 0.079 | 3.8% |
| Magazines | 72 | 9.0 | 3.8% | 0.35 | 0.044 | 2.1% |
| High Grade Paper | 114 | 14.3 | 6.0% | 1.175 | 0.147 | 7.1% |
| Mixed Paper | 188 | 23.5 | 9.9% | 1.675 | 0.209 | 10.1% |
| PAPER TOTALS | 615 | 76.9 | 32.5% | 5.885 | 0.736 | 35.5% |
| Clear Glass | 54 | 6.8 | 2.9% | 0.2 | 0.025 | 1.2% |
| Brown Glass | 44 | 5.5 | 2.3% | 0.225 | 0.028 | 1.4% |
| Green Glass | 23 | 2.9 | 1.2% | 0.2 | 0.025 | 1.2% |
| Other Glass | 15 | 1.9 | 0.8% | 0.15 | 0.019 | 0.9% |
| GLASS TOTALS | 136 | 17.0 | 7.2% | 0.775 | 0.097 | 4.7% |
| Aluminum Cans | 39 | 4.9 | 2.1% | 0.525 | 0.066 | 3.2% |
| Other Aluminum | 18 | 2.3 | 1.0% | 0.2 | 0.025 | 1.2% |
| Non Ferrous | 16 | 2.0 | 0.8% | 0.15 | 0.019 | 0.9% |
| Food Cans | 54 | 6.8 | 2.9% | 0.4 | 0.050 | 2.4% |
| Ferrous | 22 | 2.8 | 1.2% | 0.175 | 0.022 | 1.1% |
| Oil filters (one) | 1 | 0.1 | 0.1% | 0.025 | 0.003 | 0.2% |
| METAL TOTALS | 150 | 18.8 | 7.9% | 1.475 | 0.184 | 8.9% |
| PET #1 | 60 | 7.5 | 3.2% | 0.775 | 0.097 | 4.7% |
| HDPE #2 | 40 | 5.0 | 2.1% | 0.775 | 0.097 | 4.7% |
| Plastic Film | 85 | 10.6 | 4.5% | 1.5 | 0.188 | 9.0% |
| Other Plastic | 129 | 16.1 | 6.8% | 1.825 | 0.228 | 11.0% |
| PLASTIC TOTALS | 314 | 39.3 | 16.6% | 4.875 | 0.609 | 29.4% |
| Food Waste | 332 | 41.5 | 17.5% | 1.225 | 0.153 | 7.4% |
| Wood Waste | 16 | 2.0 | 0.8% | 0.125 | 0.016 | 0.8% |
| Textiles | 72 | 9.0 | 3.8% | 0.5 | 0.063 | 3.0% |
| Diapers | 74 | 9.3 | 3.9% | 0.475 | 0.059 | 2.9% |
| Other Organics | 47 | 5.9 | 2.5% | 0.325 | 0.041 | 2.0% |
| ORGANIC TOTALS | 541 | 67.6 | 28.6% | 2.65 | 0.331 | 16.0% |
| Fines | 24 | 3.0 | 1.3% | 0.2 | 0.025 | 1.2% |
| Other Inorganics | 52 | 6.5 | 2.7% | 0.3 | 0.038 | 1.8% |
| INORGANIC TOTALS | 76 | 9.5 | 4.0% | 0.5 | 0.063 | 3.0% |
| HHW | 35 | 4.4 | 1.8% | 0.225 | 0.028 | 1.4% |
| Electronic Waste | 27 | 3.4 | 1.4% | 0.2 | 0.025 | 1.2% |
| SPECIAL WASTE TOTALS | 62 | 7.8 | 3.3% | 0.425 | 0.053 | 2.6% |
| | | | | | | |
| **TOTAL** | **1894** | **236.8** | **100%** | **16.585** | **2.073** | **100%** |

Table 7.3 - Osage Beach Transfer Station Spring 2007 Sort Results

| | WT.(lbs.) | Avg.Wt.Per Load | % by Wt. | VOL.(c.y.) | Avg.Vol.Per Load | % by Vol. |
|---|---|---|---|---|---|---|
| Cardboard | 194 | 24.3 | 9.2% | 2.725 | 0.341 | 14.9% |
| Newsprint | 87 | 10.9 | 4.1% | 0.375 | 0.047 | 2.0% |
| Magazines | 94 | 11.8 | 4.5% | 0.275 | 0.034 | 1.5% |
| High Grade Paper | 124 | 15.5 | 5.9% | 1.175 | 0.147 | 6.4% |
| Mixed Paper | 200 | 25.0 | 9.5% | 2.425 | 0.303 | 13.3% |
| PAPER TOTALS | 699 | 87.4 | 33.2% | 6.975 | 0.872 | 38.1% |
| Clear Glass | 59 | 7.4 | 2.8% | 0.2 | 0.025 | 1.1% |
| Brown Glass | 55 | 6.9 | 2.6% | 0.2 | 0.025 | 1.1% |
| Green Glass | 22 | 2.8 | 1.0% | 0.1 | 0.013 | 0.5% |
| Other Glass | 11 | 1.4 | 0.5% | 0.05 | 0.006 | 0.3% |
| GLASS TOTALS | 147 | 18.4 | 7.0% | 0.55 | 0.069 | 3.0% |
| Aluminum Cans | 41 | 5.1 | 1.9% | 0.55 | 0.069 | 3.0% |
| Other Aluminum | 8 | 1.0 | 0.4% | 0.1 | 0.013 | 0.5% |
| Non Ferrous | 18 | 2.3 | 0.9% | 0.075 | 0.009 | 0.4% |
| Food Cans | 62 | 7.8 | 2.9% | 0.35 | 0.044 | 1.9% |
| Ferrous | 16 | 2.0 | 0.8% | 0.075 | 0.009 | 0.4% |
| Oil filters (one) | 4 | 0.5 | 0.2% | 0.025 | 0.003 | 0.1% |
| METAL TOTALS | 149 | 18.6 | 7.1% | 1.175 | 0.147 | 6.4% |
| PET #1 | 52 | 6.5 | 2.5% | 0.875 | 0.109 | 4.8% |
| HDPE #2 | 42 | 5.3 | 2.0% | 0.8 | 0.100 | 4.4% |
| Plastic Film | 130 | 16.3 | 6.2% | 2.375 | 0.297 | 13.0% |
| Other Plastic | 188 | 23.5 | 8.9% | 2.25 | 0.281 | 12.3% |
| PLASTIC TOTALS | 412 | 51.5 | 19.6% | 6.3 | 0.788 | 34.4% |
| Food Waste | 292 | 36.5 | 13.9% | 1.2 | 0.150 | 6.6% |
| Wood Waste | 17 | 2.1 | 0.8% | 0.075 | 0.009 | 0.4% |
| Textiles | 111 | 13.9 | 5.3% | 0.65 | 0.081 | 3.6% |
| Diapers | 99 | 12.4 | 4.7% | 0.425 | 0.053 | 2.3% |
| Other Organics | 27 | 3.4 | 1.3% | 0.275 | 0.034 | 1.5% |
| ORGANIC TOTALS | 546 | 68.3 | 25.9% | 2.625 | 0.328 | 14.3% |
| Fines | 23 | 2.9 | 1.1% | 0.15 | 0.019 | 0.8% |
| Other Inorganics | 52 | 6.5 | 2.5% | 0.225 | 0.028 | 1.2% |
| INORGANIC TOTALS | 75 | 9.4 | 3.6% | 0.375 | 0.047 | 2.0% |
| HHW | 13 | 1.6 | 0.6% | 0.1 | 0.013 | 0.5% |
| Electronic Waste | 65 | 8.1 | 3.1% | 0.2 | 0.025 | 1.1% |
| SPECIAL WASTE TOTALS | 78 | 9.8 | 3.7% | 0.3 | 0.038 | 1.6% |
| | | | | | | |
| **TOTAL** | **2106** | **263.3** | **100%** | **18.30** | **2.288** | **100%** |

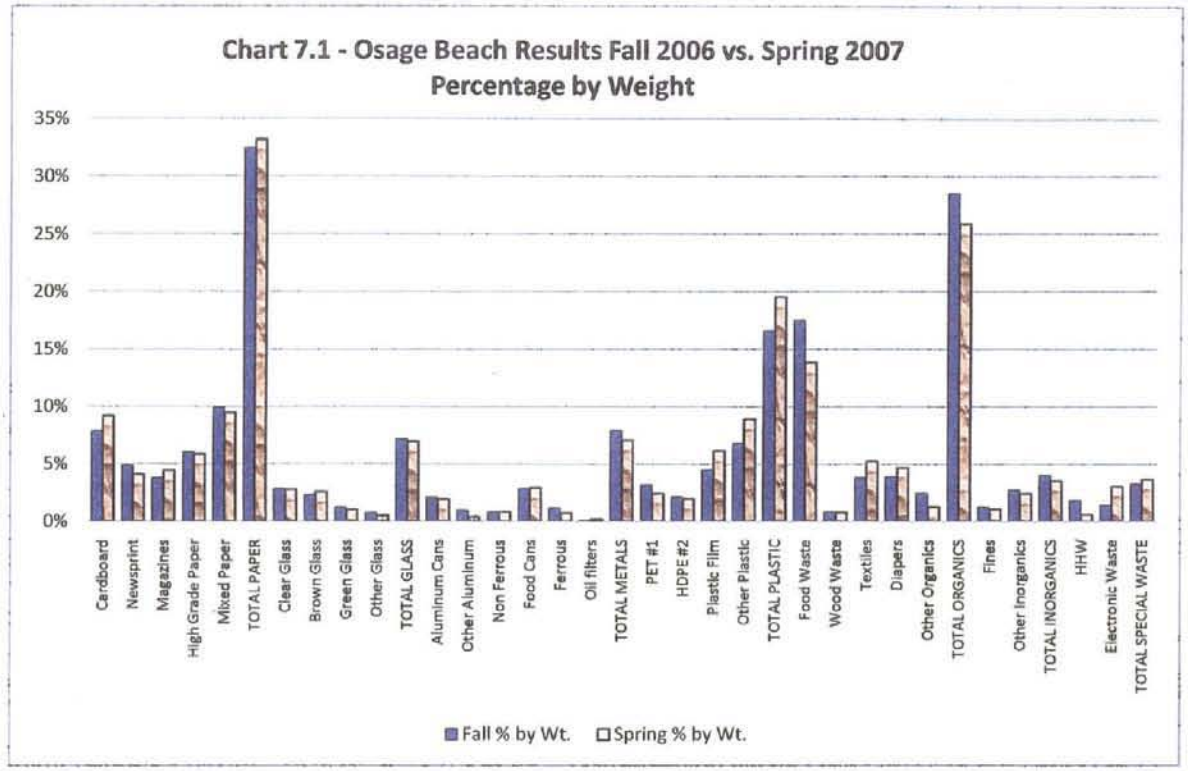
Chart 7.1 - Osage Beach Results Fall 2006 vs. Spring 2007
Percentage by Weight
35%
30%
25%
20%
15%
10%
5%
0%
Cardboard
Newsprint
Magazines
High Grade Paper
Mixed Paper
TOTAL PAPER
Clear Glass
Brown Glass
Green Glass
Other Glass
TOTAL GLASS
Aluminum Cans
Other Aluminum
Non Ferrous
Food Cans
Ferrous
Oil filters
TOTAL METALS
PET #1
HDPE #2
Plastic Film
Other Plastic
TOTAL PLASTIC
Food Waste
Wood Waste
Textiles
Diapers
Other Organics
TOTAL ORGANICS
Fines
Other Inorganics
TOTAL INORGANICS
HHW
Electronic Waste
TOTAL SPECIAL WASTE
Fall % by Wt.
Spring % by Wt.

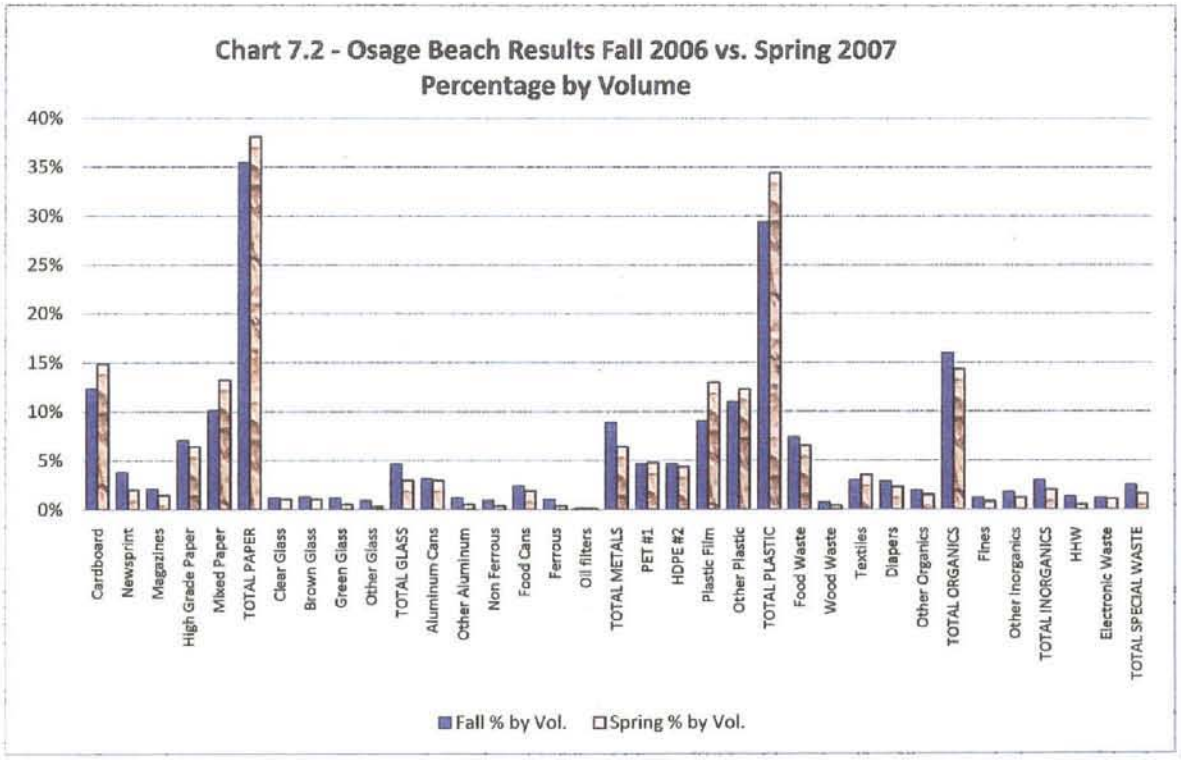
Chart 7.2 - Osage Beach Results Fall 2006 vs. Spring 2007
Percentage by Volume
40%
35%
30%
25%
20%
15%
10%
5%
0%
Cardboard
Newsprint
Magazines
High Grade Paper
Mixed Paper
TOTAL PAPER
Clear Glass
Brown Glass
Green Glass
Other Glass
TOTAL GLASS
Aluminum Cans
Other Aluminum
Non Ferrous
Food Cans
Ferrous
Oil filters
TOTAL METALS
PET #1
HDPE #2
Plastic Film
Other Plastic
TOTAL PLASTIC
Food Waste
Wood Waste
Textiles
Diapers
Other Organics
TOTAL ORGANICS
Fines
Other Inorganics
TOTAL INORGANICS
HHW
Electronic Waste
TOTAL SPECIAL WASTE
Fall % by Vol.
Spring % by Vol.

## Table 7.4 - Waste Composition Summary and Comparison
## Osage Beach Transfer Station 1996-1997 to 2006-2007

| | Fall Sort - 11/8-11/9/06 | | | | Spring Sort - 4/23-4/24/07 | | | | Total 2006-2007 Sort Results | | | | 1996-1997 | 2006-2007 | Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | % by Wt. | % by Wt. | % by Wt. |
| Cardboard | 149 | 7.9% | 2.05 | 12.4% | 194 | 9.2% | 2.73 | 14.9% | 343 | 8.58% | 4.78 | 13.69% | 8.10% | 8.58% | 0.5% |
| Newsprint | 92 | 4.9% | 0.64 | 3.8% | 87 | 4.1% | 0.38 | 2.0% | 179 | 4.48% | 1.01 | 2.90% | 6.70% | 4.48% | -2.2% |
| Magazines | 72 | 3.8% | 0.35 | 2.1% | 94 | 4.5% | 0.28 | 1.5% | 166 | 4.15% | 0.63 | 1.79% | 3.50% | 4.15% | 0.7% |
| High Grade Paper | 114 | 6.0% | 1.18 | 7.1% | 124 | 5.9% | 1.18 | 6.4% | 238 | 5.95% | 2.35 | 6.74% | 4.40% | 5.95% | 1.6% |
| Mixed Paper | 188 | 9.9% | 1.68 | 10.1% | 200 | 9.5% | 2.43 | 13.3% | 388 | 9.70% | 4.10 | 11.75% | 12.20% | 9.70% | -2.5% |
| **TOTAL PAPER** | **615** | **32.5%** | **5.89** | **35.5%** | **699** | **33.2%** | **6.98** | **38.1%** | **1,314** | **32.85%** | **12.86** | **36.86%** | **34.90%** | **32.85%** | **-2.1%** |
| Clear Glass | 54 | 2.9% | 0.20 | 1.2% | 59 | 2.8% | 0.20 | 1.1% | 113 | 2.83% | 0.40 | 1.15% | 4.60% | 2.83% | -1.8% |
| Brown Glass | 44 | 2.3% | 0.23 | 1.4% | 55 | 2.6% | 0.20 | 1.1% | 99 | 2.48% | 0.43 | 1.22% | 2.30% | 2.48% | 0.2% |
| Green Glass | 23 | 1.2% | 0.20 | 1.2% | 22 | 1.0% | 0.10 | 0.5% | 45 | 1.13% | 0.30 | 0.86% | 1.00% | 1.13% | 0.1% |
| Other Glass | 15 | 0.8% | 0.15 | 0.9% | 11 | 0.5% | 0.05 | 0.3% | 26 | 0.65% | 0.20 | 0.57% | 0.50% | 0.65% | 0.2% |
| **TOTAL GLASS** | **136** | **7.2%** | **0.78** | **4.7%** | **147** | **7.0%** | **0.55** | **3.0%** | **283** | **7.08%** | **1.33** | **3.80%** | **8.40%** | **7.08%** | **-1.3%** |
| Aluminum Cans | 39 | 2.1% | 0.53 | 3.2% | 41 | 1.9% | 0.55 | 3.0% | 80 | 2.00% | 1.08 | 3.08% | 1.90% | 2.00% | 0.1% |
| Other Aluminum | 18 | 1.0% | 0.20 | 1.2% | 8 | 0.4% | 0.10 | 0.5% | 26 | 0.65% | 0.30 | 0.86% | 0.60% | 0.65% | 0.1% |
| Non Ferrous | 16 | 0.8% | 0.15 | 0.9% | 18 | 0.9% | 0.08 | 0.4% | 34 | 0.85% | 0.23 | 0.64% | 0.30% | 0.85% | 0.6% |
| Food Cans | 54 | 2.9% | 0.40 | 2.4% | 62 | 2.9% | 0.35 | 1.9% | 116 | 2.90% | 0.75 | 2.15% | 2.80% | 2.90% | 0.1% |
| Ferrous | 22 | 1.2% | 0.18 | 1.1% | 16 | 0.8% | 0.08 | 0.4% | 38 | 0.95% | 0.25 | 0.72% | 1.00% | 0.95% | -0.1% |
| Oil filters | 1 | 0.1% | 0.03 | 0.2% | 4 | 0.2% | 0.03 | 0.1% | 5 | 0.13% | 0.05 | 0.14% | 0.10% | 0.13% | 0.0% |
| **TOTAL METALS** | **150** | **7.9%** | **1.48** | **8.9%** | **149** | **7.1%** | **1.18** | **6.4%** | **299** | **7.48%** | **2.65** | **7.60%** | **6.70%** | **7.48%** | **0.8%** |
| PET #1 | 60 | 3.2% | 0.78 | 4.7% | 52 | 2.5% | 0.88 | 4.8% | 112 | 2.80% | 1.65 | 4.73% | 1.50% | 2.80% | 1.3% |
| HDPE #2 | 40 | 2.1% | 0.78 | 4.7% | 42 | 2.0% | 0.80 | 4.4% | 82 | 2.05% | 1.58 | 4.51% | 1.90% | 2.05% | 0.2% |
| Plastic Film | 85 | 4.5% | 1.50 | 9.0% | 130 | 6.2% | 2.38 | 13.0% | 215 | 5.38% | 3.88 | 11.11% | 3.40% | 5.38% | 2.0% |
| Other Plastic | 129 | 6.8% | 1.83 | 11.0% | 188 | 8.9% | 2.25 | 12.3% | 317 | 7.93% | 4.08 | 11.68% | 6.60% | 7.93% | 1.3% |
| **TOTAL PLASTIC** | **314** | **16.6%** | **4.88** | **29.4%** | **412** | **19.6%** | **6.30** | **34.4%** | **726** | **18.15%** | **11.18** | **32.03%** | **13.40%** | **18.15%** | **4.8%** |
| Food Waste | 332 | 17.5% | 1.23 | 7.4% | 292 | 13.9% | 1.20 | 6.6% | 624 | 15.60% | 2.43 | 6.95% | 20.50% | 15.60% | -4.9% |
| Wood Waste | 16 | 0.8% | 0.13 | 0.8% | 17 | 0.8% | 0.08 | 0.4% | 33 | 0.83% | 0.20 | 0.57% | 0.80% | 0.83% | 0.0% |
| Textiles | 72 | 3.8% | 0.50 | 3.0% | 111 | 5.3% | 0.65 | 3.6% | 183 | 4.58% | 1.15 | 3.30% | 3.50% | 4.58% | 1.1% |
| Diapers | 74 | 3.9% | 0.48 | 2.9% | 99 | 4.7% | 0.43 | 2.3% | 173 | 4.33% | 0.90 | 2.58% | 3.70% | 4.33% | 0.6% |
| Other Organics | 47 | 2.5% | 0.33 | 2.0% | 27 | 1.3% | 0.28 | 1.5% | 74 | 1.85% | 0.60 | 1.72% | 3.40% | 1.85% | -1.6% |
| **TOTAL ORGANICS** | **541** | **28.6%** | **2.65** | **16.0%** | **546** | **25.9%** | **2.63** | **14.3%** | **1,087** | **27.18%** | **5.28** | **15.12%** | **31.90%** | **27.18%** | **-4.7%** |
| Fines | 24 | 1.3% | 0.20 | 1.2% | 23 | 1.1% | 0.15 | 0.8% | 47 | 1.18% | 0.35 | 1.00% | 3.10% | 1.18% | -1.9% |
| Other Inorganics | 52 | 2.7% | 0.30 | 1.8% | 52 | 2.5% | 0.23 | 1.2% | 104 | 2.60% | 0.53 | 1.50% | 0.90% | 2.60% | 1.7% |
| **TOTAL INORGANICS** | **76** | **4.0%** | **0.50** | **3.0%** | **75** | **3.6%** | **0.38** | **2.0%** | **151** | **3.78%** | **0.88** | **2.51%** | **4.00%** | **3.78%** | **-0.2%** |
| HHW | 35 | 1.8% | 0.23 | 1.4% | 13 | 0.6% | 0.10 | 0.5% | 48 | 1.20% | 0.33 | 0.93% | n/a | 1.20% | 1.2% |
| Electronic Waste | 27 | 1.4% | 0.20 | 1.2% | 65 | 3.1% | 0.20 | 1.1% | 92 | 2.30% | 0.40 | 1.15% | n/a | 2.30% | 2.3% |
| **TOTAL SPECIAL WASTE** | **62** | **3.3%** | **0.43** | **2.6%** | **78** | **3.7%** | **0.30** | **1.6%** | **140** | **3.50%** | **0.73** | **2.08%** | | **3.50%** | **3.5%** |
| **TOTAL COMPOSITION** | **1,894** | **100%** | **16.6** | **100%** | **2,106** | **100%** | **18.30** | **100%** | **4,000** | **100%** | **34.9** | **100%** | **100%** | **100%** | **0%** |

## Table 7.5 - Waste Composition Summary and Comparison Osage Beach Transfer Station Site to 2006-2007 Overall Average

| | Fall Sort - 11/8-11/9/06 | | | | Spring Sort - 4/23-4/24/07 | | | | Total 2006-2007 Results for Site | | | | Avg. All Sites | Osage Beach | Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | Wt.(lbs.) | %by Wt. | Vol.(cy) | %by Vol. | % by Wt. | % by Wt. | % by Wt. |
| Cardboard | 149 | 7.9% | 2.05 | 12.4% | 194 | 9.2% | 2.73 | 14.9% | 343 | 8.58% | 4.78 | 13.69% | 8.20% | 8.58% | 0.4% |
| Newsprint | 92 | 4.9% | 0.64 | 3.8% | 87 | 4.1% | 0.38 | 2.0% | 179 | 4.48% | 1.01 | 2.90% | 5.17% | 4.48% | -0.7% |
| Magazines | 72 | 3.8% | 0.35 | 2.1% | 94 | 4.5% | 0.28 | 1.5% | 166 | 4.15% | 0.63 | 1.79% | 3.66% | 4.15% | 0.5% |
| High Grade Paper | 114 | 6.0% | 1.18 | 7.1% | 124 | 5.9% | 1.18 | 6.4% | 238 | 5.95% | 2.35 | 6.74% | 6.40% | 5.95% | -0.4% |
| Mixed Paper | 188 | 9.9% | 1.68 | 10.1% | 200 | 9.5% | 2.43 | 13.3% | 388 | 9.70% | 4.10 | 11.75% | 10.20% | 9.70% | -0.5% |
| **TOTAL PAPER** | **615** | **32.5%** | **5.89** | **35.5%** | **699** | **33.2%** | **6.98** | **38.1%** | **1,314** | **32.85%** | **12.86** | **36.86%** | **33.63%** | **32.85%** | **-0.8%** |
| Clear Glass | 54 | 2.9% | 0.20 | 1.2% | 59 | 2.8% | 0.20 | 1.1% | 113 | 2.83% | 0.40 | 1.15% | 2.71% | 2.83% | 0.1% |
| Brown Glass | 44 | 2.3% | 0.23 | 1.4% | 55 | 2.6% | 0.20 | 1.1% | 99 | 2.48% | 0.43 | 1.22% | 1.77% | 2.48% | 0.7% |
| Green Glass | 23 | 1.2% | 0.20 | 1.2% | 22 | 1.0% | 0.10 | 0.5% | 45 | 1.13% | 0.30 | 0.86% | 0.63% | 1.13% | 0.5% |
| Other Glass | 15 | 0.8% | 0.15 | 0.9% | 11 | 0.5% | 0.05 | 0.3% | 26 | 0.65% | 0.20 | 0.57% | 0.32% | 0.65% | 0.3% |
| **TOTAL GLASS** | **136** | **7.2%** | **0.78** | **4.7%** | **147** | **7.0%** | **0.55** | **3.0%** | **283** | **7.08%** | **1.33** | **3.80%** | **5.44%** | **7.08%** | **1.6%** |
| Aluminum Cans | 39 | 2.1% | 0.53 | 3.2% | 41 | 1.9% | 0.55 | 3.0% | 80 | 2.00% | 1.08 | 3.08% | 1.59% | 2.00% | 0.4% |
| Other Aluminum | 18 | 1.0% | 0.20 | 1.2% | 8 | 0.4% | 0.10 | 0.5% | 26 | 0.65% | 0.30 | 0.86% | 0.34% | 0.65% | 0.3% |
| Non Ferrous | 16 | 0.8% | 0.15 | 0.9% | 18 | 0.9% | 0.08 | 0.4% | 34 | 0.85% | 0.23 | 0.64% | 0.23% | 0.85% | 0.6% |
| Food Cans | 54 | 2.9% | 0.40 | 2.4% | 62 | 2.9% | 0.35 | 1.9% | 116 | 2.90% | 0.75 | 2.15% | 2.93% | 2.90% | 0.0% |
| Ferrous | 22 | 1.2% | 0.18 | 1.1% | 16 | 0.8% | 0.08 | 0.4% | 38 | 0.95% | 0.25 | 0.72% | 0.87% | 0.95% | 0.1% |
| Oil filters | 1 | 0.1% | 0.03 | 0.2% | 4 | 0.2% | 0.03 | 0.1% | 5 | 0.13% | 0.05 | 0.14% | 0.08% | 0.13% | 0.0% |
| **TOTAL METALS** | **150** | **7.9%** | **1.48** | **8.9%** | **149** | **7.1%** | **1.18** | **6.4%** | **299** | **7.48%** | **2.65** | **7.60%** | **6.04%** | **7.48%** | **1.4%** |
| PET #1 | 60 | 3.2% | 0.78 | 4.7% | 52 | 2.5% | 0.88 | 4.8% | 112 | 2.80% | 1.65 | 4.73% | 2.55% | 2.80% | 0.3% |
| HDPE #2 | 40 | 2.1% | 0.78 | 4.7% | 42 | 2.0% | 0.80 | 4.4% | 82 | 2.05% | 1.58 | 4.51% | 1.90% | 2.05% | 0.2% |
| Plastic Film | 85 | 4.5% | 1.50 | 9.0% | 130 | 6.2% | 2.38 | 13.0% | 215 | 5.38% | 3.88 | 11.11% | 4.82% | 5.38% | 0.6% |
| Other Plastic | 129 | 6.8% | 1.83 | 11.0% | 188 | 8.9% | 2.25 | 12.3% | 317 | 7.93% | 4.08 | 11.68% | 7.99% | 7.93% | -0.1% |
| **TOTAL PLASTIC** | **314** | **16.6%** | **4.88** | **29.4%** | **412** | **19.6%** | **6.30** | **34.4%** | **726** | **18.15%** | **11.18** | **32.03%** | **17.25%** | **18.15%** | **0.9%** |
| Food Waste | 332 | 17.5% | 1.23 | 7.4% | 292 | 13.9% | 1.20 | 6.6% | 624 | 15.60% | 2.43 | 6.95% | 17.22% | 15.60% | -1.6% |
| Wood Waste | 16 | 0.8% | 0.13 | 0.8% | 17 | 0.8% | 0.08 | 0.4% | 33 | 0.83% | 0.20 | 0.57% | 1.19% | 0.83% | -0.4% |
| Textiles | 72 | 3.8% | 0.50 | 3.0% | 111 | 5.3% | 0.65 | 3.6% | 183 | 4.58% | 1.15 | 3.30% | 4.73% | 4.58% | -0.2% |
| Diapers | 74 | 3.9% | 0.48 | 2.9% | 99 | 4.7% | 0.43 | 2.3% | 173 | 4.33% | 0.90 | 2.58% | 5.48% | 4.33% | -1.2% |
| Other Organics | 47 | 2.5% | 0.33 | 2.0% | 27 | 1.3% | 0.28 | 1.5% | 74 | 1.85% | 0.60 | 1.72% | 2.97% | 1.85% | -1.1% |
| **TOTAL ORGANICS** | **541** | **28.6%** | **2.65** | **16.0%** | **546** | **25.9%** | **2.63** | **14.3%** | **1,087** | **27.18%** | **5.28** | **15.12%** | **31.59%** | **27.18%** | **-4.4%** |
| Fines | 24 | 1.3% | 0.20 | 1.2% | 23 | 1.1% | 0.15 | 0.8% | 47 | 1.18% | 0.35 | 1.00% | 0.93% | 1.18% | 0.2% |
| Other Inorganics | 52 | 2.7% | 0.30 | 1.8% | 52 | 2.5% | 0.23 | 1.2% | 104 | 2.60% | 0.53 | 1.50% | 3.21% | 2.60% | -0.6% |
| **TOTAL INORGANICS** | **76** | **4.0%** | **0.50** | **3.0%** | **75** | **3.6%** | **0.38** | **2.0%** | **151** | **3.78%** | **0.88** | **2.51%** | **4.14%** | **3.78%** | **-0.4%** |
| HHW | 35 | 1.8% | 0.23 | 1.4% | 13 | 0.6% | 0.10 | 0.5% | 48 | 1.20% | 0.33 | 0.93% | 0.92% | 1.20% | 1.2% |
| Electronic Waste | 27 | 1.4% | 0.20 | 1.2% | 65 | 3.1% | 0.20 | 1.1% | 92 | 2.30% | 0.40 | 1.15% | 0.99% | 2.30% | 2.3% |
| **TOTAL SPECIAL WASTE** | **62** | **3.3%** | **0.43** | **2.6%** | **78** | **3.7%** | **0.30** | **1.6%** | **140** | **3.50%** | **0.73** | **2.08%** | **1.91%** | **3.50%** | **1.6%** |
| **TOTAL COMPOSITION** | **1,894** | **100%** | **16.6** | **100%** | **2,106** | **100%** | **18.30** | **100%** | **4,000** | **100%** | **34.9** | **100%** | **100%** | **100%** | **0%** |

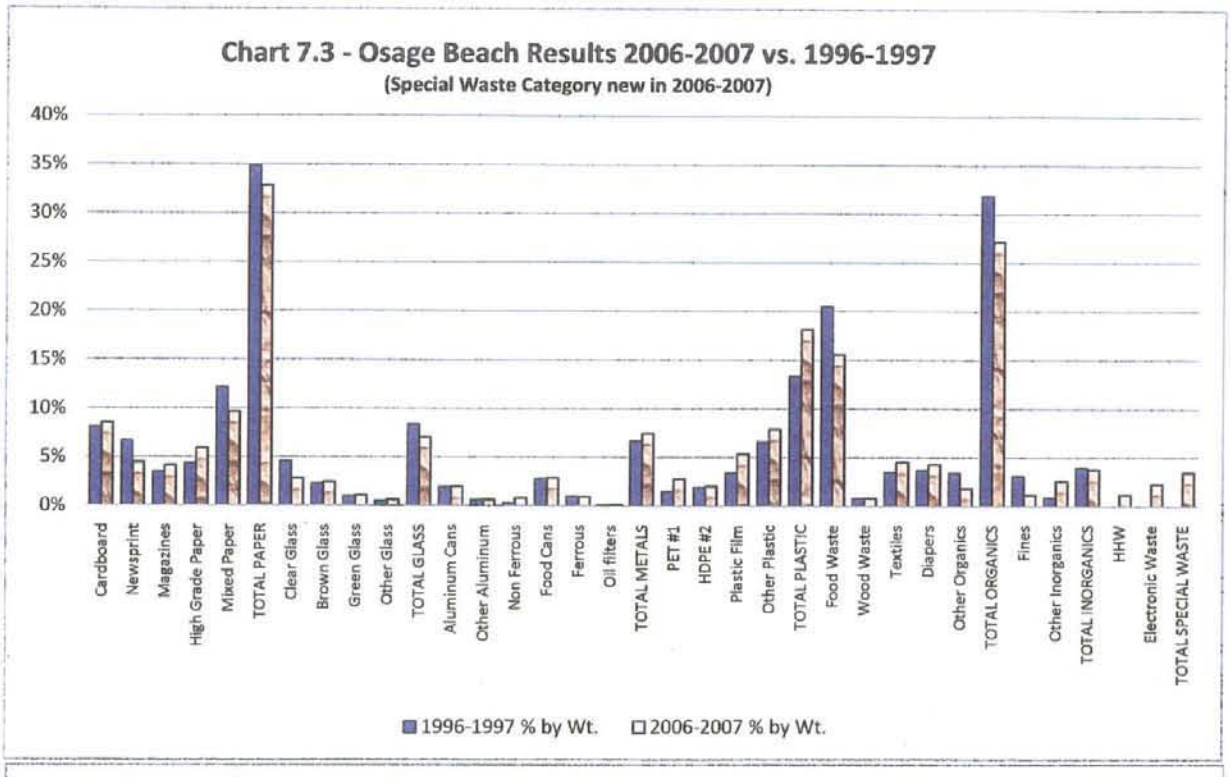
Chart 7.3 - Osage Beach Results 2006-2007 vs. 1996-1997
(Special Waste Category new in 2006-2007)
40%
35%
30%
25%
20%
15%
10%
5%
0%
Cardboard
Newsprint
Magazines
High Grade Paper
Mixed Paper
TOTAL PAPER
Clear Glass
Brown Glass
Green Glass
Other Glass
TOTAL GLASS
Aluminum Cans
Other Aluminum
Non Ferrous
Food Cans
Ferrous
Oil filters
TOTAL METALS
PET #1
HDPE #2
Plastic Film
Other Plastic
TOTAL PLASTIC
Food Waste
Wood Waste
Textiles
Diapers
Other Organics
TOTAL ORGANICS
Fines
Other Inorganics
TOTAL INORGANICS
HHW
Electronic Waste
TOTAL SPECIAL WASTE
1996-1997 % by Wt.
2006-2007 % by Wt.

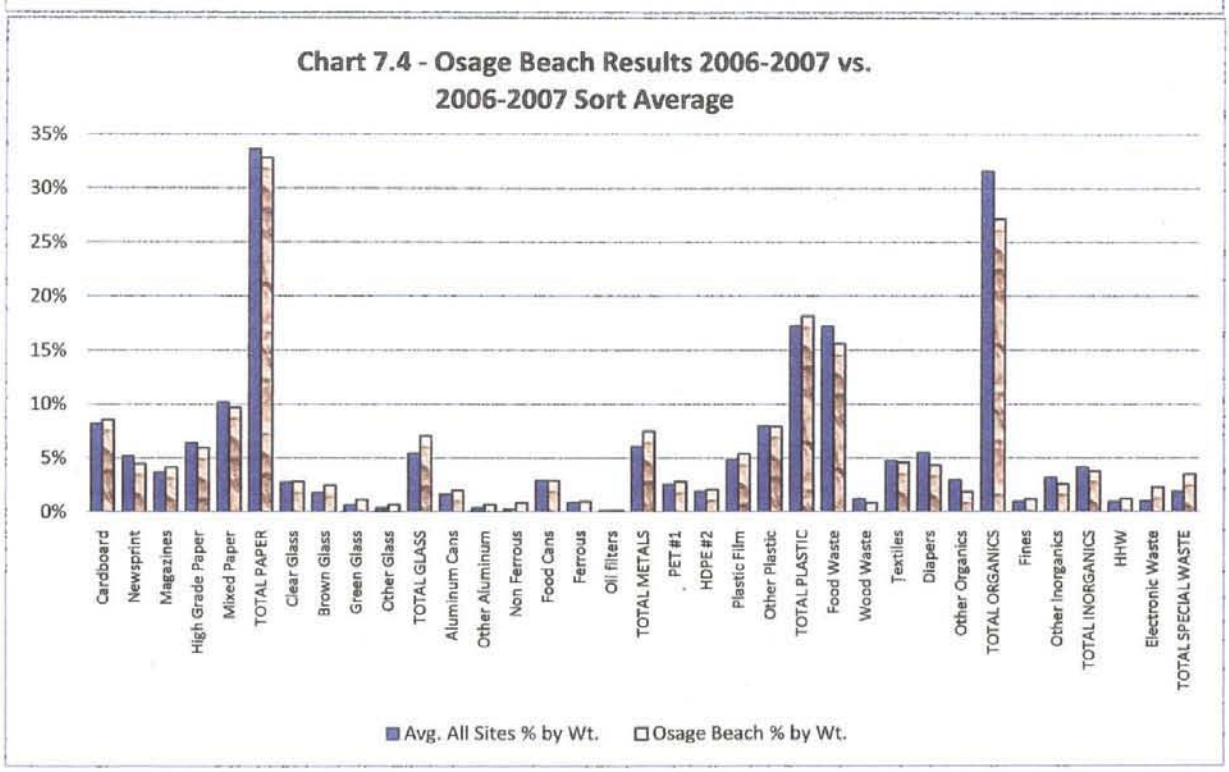
Chart 7.4 - Osage Beach Results 2006-2007 vs.
2006-2007 Sort Average
35%
30%
25%
20%
15%
10%
5%
0%
Cardboard
Newsprint
Magazines
High Grade Paper
Mixed Paper
TOTAL PAPER
Clear Glass
Brown Glass
Green Glass
Other Glass
TOTAL GLASS
Aluminum Cans
Other Aluminum
Non Ferrous
Food Cans
Ferrous
Oil filters
TOTAL METALS
PET #1
HDPE #2
Plastic Film
Other Plastic
TOTAL PLASTIC
Food Waste
Wood Waste
Textiles
Diapers
Other Organics
TOTAL ORGANICS
Fines
Other Inorganics
TOTAL INORGANICS
HHW
Electronic Waste
TOTAL SPECIAL WASTE
Avg. All Sites % by Wt.
Osage Beach % by Wt.

## Table 7.6 - Special Waste Sorted at Osage Beach Transfer Station

| | Fall 2006 | Spring 2007 |
|---|---|---|
| ELECTRONICS | | |
| Musical item (CD player, radio, boom box, etc.) | | |
| Small Appliances (toaster, clock, coffee maker, calculator/adding maching, elec. tooth brush, etc.) | | 3 |
| TV, VCR, DVD player, Game Stations, etc. | 1 | 1 |
| Remote Control or Game Controller | 3 | |
| Electronic Toy or Game | | 2 |
| Computer Hard Drive | | 1 |
| Computer Monitor | | |
| Computer Keyboard | | |
| Computer Mouse | 1 | |
| Computer Printer | | |
| Toner Cartridge | | |
| Telephone/Answering Machine | | |
| Cell Phones, Chargers | | 2 |
| | | |
| HOUSEHOLD HAZARDOUS WASTE (Containers with Contents) | | |
| Needles/Syringes | | few |
| Paint, Thinner, etc. | 1 | 1 |
| Automotive Fluids (oil, fuel, starting fluid, etc.) | | |
| Oil Filters | | |
| Household Cleaners | | 3 |
| Yard & Garden Spray, Powder, etc. | | |
| Insect & Animal Repellant Spray, Powder, Poison, etc. | 3 | 1 |
| Over The Counter & Prescription Medicine | 13 | 13 |
| Beauty & Hygiene Products | 4 | 2 |
| Disposable Razors | | |
| Alkaline Batteries | 35 | 9 |
| Lithium & Other Batteries | | |
| Smoke Alarm | | |
| Other | propane cyllinder, fireworks | |

| | | |
|---|---|---|
| Weight of Batteries Reported by RBRC | 79.6 oz. | 6.5 oz. |