Kitsap County Public Works
Solid Waste Division
ANNUAL REPORT 2016
The mission of the Solid Waste Division is to plan, develop, and implement solid waste management programs which conserve natural resources and minimize impacts to land, water, air, and climate. We strive to provide environmentally sound services in the most cost-effective manner possible.

We Fulfill Our Mission Through:

- Administering solid waste operations at the Olympic View Transfer Station, three Recycling and Garbage Facilities (Hansville, Silverdale, and Olalla), and one Recycle Center (Poulsbo)
- Operating a Household Hazardous Waste Collection Program serving homeowners and small businesses
- Overseeing post-closure activities at two closed landfills, and participating in the oversight of additional closed landfills, including clean-up action plans as required
- Administering and monitoring waste reduction/recycling programs, including residential and business recycling, organics management, and product stewardship efforts
- Providing education to residents, community groups, schoolchildren, and businesses concerning proper solid and hazardous waste management practices
- Coordinating litter and illegal dumping cleanup and prevention efforts through the Clean Kitsap Program

Facilities:
- Olympic View Transfer Station (OVTS)
- Recycling and Garbage Facilities (RAGFs)
- Household Hazardous Waste Facility (HHW)

Programs:
- Waste Reduction/Recycling (WR/R)
- Education/Outreach
- Clean Kitsap
- Moderate Risk Waste (MRW)
- Closed Landfills

Our Mission:
The mission of the Solid Waste Division is to plan, develop, and implement solid waste management programs which conserve natural resources and minimize impacts to land, water, air, and climate. We strive to provide environmentally sound services in the most cost-effective manner possible.
Olympic View Transfer Station is owned by Kitsap County and operated by Waste Management. In 2016, the total garbage (municipal solid waste or MSW) tonnage received increased by 7% over 2015.

- With increases in customers and volume, several enhancements were made to the OVTS facility and grounds, including lighting improvements, paving of the "untarping" area, and stormwater improvements.
- Restoration of the facility from damages sustained in a 2015 fire was completed in mid-2016. This improved the overall condition of the building and included new insulation, interior structural recoating, and upgraded lighting.
Residents self-haul garbage, recyclables, and limited household hazardous waste to these facilities. The volume of municipal solid waste (MSW) and recyclables increased by 6.8% and the total number of customers served increased by 8.25% compared to 2015.

The RAGFs, as well as PRC, also accept limited household hazardous waste, such as used motor oil, antifreeze, compact fluorescent lights, vehicle and household batteries, and pharmaceutical sharps from households at no cost.

Kitsap County owns three Recycling and Garbage Facilities and the Poulsbo Recycle Center (PRC). Silverdale and Olalla RAGFs were operated by New Day Recycling, LLC. The Hansville RAGF and PRC were operated by Kitsap County.
Waste Reduction and Recycling: Education and Outreach

Food Scrap Pilot
The Solid Waste Division took its first steps toward a large-scale curbside food scrap recycling campaign with a small pilot project in East Bremerton. Next up, expanding the food recycling campaign to larger neighborhoods in Port Orchard and Silverdale! Out of the 50 households who responded to our post-outreach survey:
• 39 households were using the outreach materials to recycle food scraps five months into the program.
• 21 households were recycling food scraps for the first time.
• 39 households planned to continue recycling food scraps.
• Estimated diversion of the pilot project: 1.1 tons per month (based on average of 1.5 lbs. generated per person per day).

Earth Day Award Winners
The 2016 Solid Waste Division Earth Day Awards were presented to individual citizens, organizations, schools, and businesses for their innovative environmental programs or projects. Winners were selected for exemplary environmental leadership qualities in programs or projects emphasizing sustainability, waste reduction, recycling, and hazardous waste management.
• Waste Wise @ Work Business of the Year: Christopher Plemmons, Chef Instructor Olympic College
• Best Hazardous Waste Management Program: Jim Sund, North Kitsap Auto Rebuild, Inc.
• Partner in Environmental Education: Bainbridge Island Boy Scout Troop 1564
• Adopt-A-Road Volunteer: Donna Martin
• Excellence in Waste Reduction and Recycling: Bainbridge Island Zero Waste

Website Improvements
The "What Do I Do With It?" online recycling guide was redesigned to improve ease of use. New features include:
• More search options. Users can enter items into a search engine or look through categories.
• More items. 150 new items were added to the database.
• Greater control. Division staff can now update information without additional technical support.

Waste Wise Kitsap
In an effort to 1) improve operational efficiency, and 2) reduce operating costs at the County Jail, solid waste disposal options were researched and assistance provided with switching from scheduled dumpster service to on-call roll off. Net fiscal impact was a cost reduction of $3,684.24 from Feb 2016 – Dec 2016. The goal was to use cost savings to offset the cost of implementing food waste recycling; however, Jail management decided not to pursue organics diversion.

2016 Net Cost Reduction
Kitsap County Jail

<table>
<thead>
<tr>
<th>Month</th>
<th>Cost Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>$629</td>
</tr>
<tr>
<td>March</td>
<td>$21</td>
</tr>
<tr>
<td>April</td>
<td>$153</td>
</tr>
<tr>
<td>May</td>
<td>$385</td>
</tr>
<tr>
<td>June</td>
<td>$52</td>
</tr>
<tr>
<td>July</td>
<td>$286</td>
</tr>
<tr>
<td>August</td>
<td>$440</td>
</tr>
<tr>
<td>September</td>
<td>$357</td>
</tr>
<tr>
<td>October</td>
<td>$120</td>
</tr>
<tr>
<td>November</td>
<td>$593</td>
</tr>
<tr>
<td>December</td>
<td>$642</td>
</tr>
</tbody>
</table>
Mercury Light Recycling

LightRecycle Washington, a product stewardship program for the proper collection and disposal of mercury-containing lights, was promoted at three separate events. Through the use of an interactive location map, we informed almost 3,000 residents about the six convenient retail recycling collection sites in their neighborhoods. These sites collected 8,871 pounds of materials in addition to the 20,985 pounds collected at our Household Hazardous Waste Collection Facility. We also handed out a reusable carrier box for easy collection and transport of old bulbs.

Multifamily Recycling

Phase three of the multifamily education and outreach program began with targeted outreach at properties throughout the county. This included apartment complexes with 50 units or more. Staff interviewed 25 property managers and visited 30 sites. Based on recycling collection capacity at each property, staff worked with haulers for sufficient recycling capacity and convenient location of containers. Residents at these multifamily properties now have the capacity to recycle an estimated 750 tons of material. Door-to-door resident outreach was then conducted at 3,296 households. Residents received a reusable recycling tote bag along with other educational materials. Door hangers were left with the educational materials for the residents who were not at home.

Light Recycle Volumes collected at HHW facility

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Others (U-Tubes, Circles, Short Straights)</td>
<td>243 lbs</td>
<td>167 lbs</td>
</tr>
<tr>
<td>HIDs</td>
<td>1,591 lbs</td>
<td>971 lamps</td>
</tr>
<tr>
<td>CFLs</td>
<td>1,989 lbs</td>
<td>1,989 lamps</td>
</tr>
<tr>
<td>8-foot Straight Tubes</td>
<td>5,774 lbs</td>
<td>11,548 lamps</td>
</tr>
<tr>
<td>4-foot Straight Tubes</td>
<td>9,764 lbs</td>
<td>9,764 lamps</td>
</tr>
<tr>
<td>Total Weight</td>
<td>20,985 lbs</td>
<td>20,985 lamps</td>
</tr>
</tbody>
</table>

30 Sites
3,296 Households
750 Tons Recyclables
Members of the USS John C. Stennis (CVN 74) Mustang Association, made up of the ship’s officers who were previously enlisted sailors, clean a stretch of highway dedicated to Lt. Cdr. Erik Sweet, a former John C. Stennis sailor who passed away in 2015.
Moderate Risk Waste

The County’s Household Hazardous Waste Collection Facility receives hazardous waste and materials from residents and small businesses participating in the Small Quantity Generator program. In 2016, the total number of customers served and waste quantity received increased by approximately 2% over 2015.

Proper management of waste received is the primary goal, combined with education and technical assistance to reduce the use of hazardous products and promote safer alternatives.

HHW

2016 marked the 20-year anniversary of the HHW Facility opening and set the one-year record for the number of customers served. In 1996, 1,550 customers were served and 163,208 pounds of hazardous waste received.

HHW

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customers</td>
<td>8,582</td>
<td>8,730</td>
</tr>
<tr>
<td>HHW</td>
<td>753,354</td>
<td>771,122</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Moderate Risk Waste 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint (Oil and Latex)</td>
</tr>
<tr>
<td>Bases</td>
</tr>
<tr>
<td>Lawn and Garden Products</td>
</tr>
<tr>
<td>Battery Household</td>
</tr>
<tr>
<td>Acids</td>
</tr>
<tr>
<td>Automotive Products</td>
</tr>
<tr>
<td>Flammable Liquids</td>
</tr>
<tr>
<td>Mercury-Fluorescent Lamps and CFLs</td>
</tr>
<tr>
<td>Miscellaneous Waste Types</td>
</tr>
</tbody>
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Olalla Landfill

Implementation of the Olalla Landfill CAP began in its second year in 2016, with the preferred remedy being natural attenuation with institutional controls. As part of the remedy, quarterly monitoring and reporting continued for the groundwater and landfill gas, with annual surface water sampling. Technical analysis of the sampling results indicated contaminants of concern generally continued to decline at the landfill.

Closed Landfill Oversight

The Division oversees regular inspections, groundwater and surface water sampling, and landfill gas monitoring at two closed landfills, formerly owned and/or operated by Kitsap County.

Hansville Landfill

2016 marked the 5th year of the implementation of the Hansville Landfill Cleanup Action Plan (CAP). The CAP includes groundwater, surface water, and landfill gas monitoring and reporting, and land use controls which limit the use of water near the site. Routine technical analysis and statistical evaluation of the sampling results showed contaminants of concern generally continued to decline in response to the selected remedy – natural attenuation of groundwater with enhanced monitoring and institutional controls. The Remedial Action Status Report, part of the 5-year review, demonstrated the effectiveness of the selected remedy at the landfill, particularly in the declining concentrations of vinyl chloride in monitoring wells. The review also included recommendations for improvements in the implementation of the remedy, including the landfill gas system, to accelerate the attenuation process. The Division is moving forward in implementing a number of improvements to the system to maximize the effectiveness of the selected remedy.

Olympic View Sanitary Landfill

Post-closure monitoring and reporting for the Olympic View Sanitary Landfill is the responsibility of Waste Management, Inc.
What Do I Do With It?
Where to donate, recycle, and dispose of household items
Recycle.KitsapGov.com

Kitsap Electronic Notification System
Click this logo at www.KitsapGov.com/pw to sign up for free email notification when information on the Kitsap County website has been updated.

- Choose from nearly 60 topics
- Choose email or text delivery

Want More Information?
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