






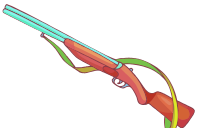



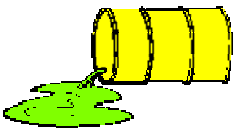







## Handout of Solid Waste Selected Information May 2006

To use on the computer (for clicking on referenced links), this handout is at [www.zender-engr.net/handout.htm](http://www.zender-engr.net/handout.htm)

<b>RECYCLING</b>	
<p>Ink Jet, Fax, and Laser Toner cartridges.</p> 	<p>Go to <a href="http://www.ccthita-swan.org/main/toner.cfm">http://www.ccthita-swan.org/main/toner.cfm</a> for full list of companies, or 1 800-368-5881 for ECCO, a Washington company. Companies will send you free envelopes and then send a check when they receive the cartridges. Prices vary depending on the type of cartridge, and you can shop around for the best deal.</p>
<p>Lead-acid batteries (vehicle batteries)</p> 	<p>To calculate how many lead-acid batteries you need to backhaul <a href="http://www.zender-engr.net/battery.htm">http://www.zender-engr.net/battery.htm</a>, see "Counting your battery wastestream. For step by step backhaul instructions, see: Recycling lead-acid batteries.</p>
<p>Computers, misc-ellaneous E-waste, cell phones, etc.</p> 	<p><a href="http://www.ccthita-swan.org/pdf/ewaste.pdf">http://www.ccthita-swan.org/pdf/ewaste.pdf</a> or Call Larry Zirkle at Total Reclaim in Anchorage, 229-0183. He is very knowledgeable and will help you get started. Bill Burnard at Bethel Recycling also ships E-wastes to Larry or Seattle. Call Bill at 543-7072. Ensure your computer recycler is responsible and does not simply export to Asia or Africa, harming poor communities' health. Go to <a href="http://www.ban.org">www.ban.org</a> for information.</p>
<p>Fluorescent Lights</p> 	<p><a href="http://www.ccthita-swan.org/pdf/fluorescent.pdf">http://www.ccthita-swan.org/pdf/fluorescent.pdf</a> or Call Larry Zirkle at Total Reclaim in Anchorage, 229-0183. He is very knowledgeable and will help you get started.</p>
<p>Household batteries</p> 	<p>Go to <a href="http://www.zender-engr.net/battery.htm">http://www.zender-engr.net/battery.htm</a>. "What to do with household batteries" at <a href="http://www.zender-engr.net/docs/battery_household.pdf">http://www.zender-engr.net/docs/battery_household.pdf</a> gives information on starting a program, where to send the batteries, and information on other sources of mercury and lead. A battery identification and hazard table, called "Household battery summary" AT <a href="http://www.zender-engr.net/docs/battery_table.pdf">http://www.zender-engr.net/docs/battery_table.pdf</a> shows pictures of the batteries.</p>
<p>Miscellaneous recycling of non-haz wastes</p>	<p><a href="http://www.ccthita-swan.org/main/recycling.cfm">http://www.ccthita-swan.org/main/recycling.cfm</a> <a href="http://www.ccthita-swan.org/Planning/2D_recycle.cfm">http://www.ccthita-swan.org/Planning/2D_recycle.cfm</a></p>
<b>MERCURY AND LEAD INFORMATION</b>	
<p><b>Mercury</b> Removing &amp; identifying household sources, handling &amp; shipping it.</p> 	<p>Go to Mercury section, page 5-8 at <a href="http://www.zender-engr.net/docs/battery_household.pdf">http://www.zender-engr.net/docs/battery_household.pdf</a></p>
<p><b>Lead</b> sinker alternatives and information</p> 	<p><a href="http://www.zender-engr.net/docs/battery_household.pdf">http://www.zender-engr.net/docs/battery_household.pdf</a> <a href="http://www.cws-scf.ec.gc.ca/flf-ppsp/">http://www.cws-scf.ec.gc.ca/flf-ppsp/</a> and <a href="http://www.moea.state.mn.us/reduce/sinkers.cfm">http://www.moea.state.mn.us/reduce/sinkers.cfm</a> for lead sinker and jig alternatives.</p>
<p><b>Lead</b> shot info</p> 	<p>Good and simple comparison between steel and lead shot use for hunters: <a href="http://www.gunnersden.com/index.htm.steelvslead.html">http://www.gunnersden.com/index.htm.steelvslead.html</a> Case Study of a loon dying of lead poisoning in YK Delta: <a href="http://mercury.bio.uaf.edu/~heather_wilson/Lead%20Posioning%20in%20a%20Pacific%20Loon/index.htm">http://mercury.bio.uaf.edu/~heather_wilson/Lead%20Posioning%20in%20a%20Pacific%20Loon/index.htm</a> Many Villages have held steel shot clinics. Ask about ADFG Steel shot clinics: (907) 443-2271, or USFWS clinics; 543-3151, <a href="mailto:yukondelta@fws.gov">yukondelta@fws.gov</a></p>
<b>SOLID WASTE FUNDING</b>	
	<p><a href="http://www.ccthita-swan.org/funding/funding.cfm">http://www.ccthita-swan.org/funding/funding.cfm</a> Upcoming soon are Alaska multi-media grants and ANHB mini-grants. These are both good grants for Tribes with high priority solid waste health and environmental problems. Contact Tami Fordham 271-1484 for multi-media announcement date, Ed Lohr, ANTHC 743-6119 or 562-6006 (ANHB).</p>

<b>BURNING</b>	
Regular trash	Chemicals contained, what to do as alternative, health risks, tips on safer emissions <a href="http://www.ccthita-swan.org/pdf/open_burning.pdf">http://www.ccthita-swan.org/pdf/open_burning.pdf</a>
Burning, general tips	<a href="http://www.ccthita-swan.org/pdf/burning_wastes.pdf">http://www.ccthita-swan.org/pdf/burning_wastes.pdf</a>
Burnboxes, incinerators 	<a href="http://www.ccthita-swan.org/Planning/2C_burning.cfm">http://www.ccthita-swan.org/Planning/2C_burning.cfm</a> , Click on Burnbarrels or Burnboxes or Incinerators for information on design, purchase, operation, cost information. Burnbox comparison: <a href="http://www.zender-engr.net/docs/Burnbox.pdf">http://www.zender-engr.net/docs/Burnbox.pdf</a>
<b>WASTE ANALYSIS</b>	
	Materials on how to develop wastestream numbers. Go to: <a href="http://www.zender-engr.net/wastecount.htm">http://www.zender-engr.net/wastecount.htm</a>
<b>HAZARDOUS WASTES</b>	
	General info on training, identification, starting a program. Go to: <a href="http://www.ccthita-swan.org/Tutorials/haz_wastes.cfm">http://www.ccthita-swan.org/Tutorials/haz_wastes.cfm</a> , <a href="http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf">http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf</a> Storing, shipping hazardous wastes, go to: <a href="http://www.ccthita-swan.org/Planning/haz_wastes.cfm">http://www.ccthita-swan.org/Planning/haz_wastes.cfm</a>
<b>SHARE SHED/ THRIFT STORE/RECYCLE CENTER</b>	
	To see village thrift store/recycle facilities: <a href="http://www.zender-engr.net/docs/workshop_tour_1.pdf">http://www.zender-engr.net/docs/workshop_tour_1.pdf</a> , <a href="http://www.ccthita-swan.org/main/reuse.cfm#thriftstore">http://www.ccthita-swan.org/main/reuse.cfm#thriftstore</a> , household haz waste exchange with sample sign-in sheet: <a href="http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf">http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf</a>
<b>HOUSEHOLD HAZARDOUS ALTERNATIVES AND I.D.</b>	
	<a href="http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf">http://www.ccthita-swan.org/pdf/household_haz%20feb05.pdf</a> , Some more home cleaning recipes: <a href="http://www.ces.ncsu.edu/depts/fcs/housing/pubs/fcs3682r.html">http://www.ces.ncsu.edu/depts/fcs/housing/pubs/fcs3682r.html</a> , For a simple tour through a house's hazardous products and identifying alternatives (a great site!): <a href="http://www.checnet.org/healthhouse/virtualhouse/index.asp">http://www.checnet.org/healthhouse/virtualhouse/index.asp</a>
<b>BALERS FOR RECYCLING</b>	
	Go to <a href="http://www.ccthita-swan.org/Tutorials/baler_recycle.cfm">http://www.ccthita-swan.org/Tutorials/baler_recycle.cfm</a> for companies that sell balers and examples of communities that use balers for recyclables.
<b>HEALTH RISK STUDIES AND INFORMATION</b>	
	Go to <a href="http://www.ccthita-swan.org/Planning/health.cfm">http://www.ccthita-swan.org/Planning/health.cfm</a> for summaries and presentations, or <a href="http://www.zender-engr.net/viewdocs.htm">http://www.zender-engr.net/viewdocs.htm</a> for links to additional full technical journal articles (available in June).
<b>USED OIL BURNERS AND BLENDERS</b>	
	Used oil burners: go to <a href="http://www.ccthita-swan.org/Tutorials/oil_burner/oil_burner1.cfm">http://www.ccthita-swan.org/Tutorials/oil_burner/oil_burner1.cfm</a> Used oil blenders (used oil and other oils are blended into your fuel line to make new fuel): go to <a href="http://www.ccthita-swan.org/pdf/WOTEC_print.pdf">http://www.ccthita-swan.org/pdf/WOTEC_print.pdf</a>
<b>SOME GENERAL FREE SWM ASSISTANCE/ RESOURCES IN ALASKA, YK DELTA</b>	
SWAN <a href="http://www.ccthita-swan.org">http://www.ccthita-swan.org</a> , Joe Sarcone, USEPA 271-1316, Backhaul and Freon training: Larry Zirkle, Total Reclaim owner, 229-0183, ITEP (Planning and resources) Jennifer Williams 347-2163, Bill Burnard (Bethel Recycling) 543-7072, ANHB SW coordinator 565-6006, ADEC Lori Aldrich 269-7642, Lynn Zender or Simone Sebalo, Zender Environmental (Free asst. available for quick answers, resource info., contracted for some extended free village tech assistance through different programs) 277-2111, Yukon Inter-Tribal Watershed, Jon Waterhouse 258-3337, AVCP Environmental Matt Prince, 543-7362	