

Minimizing Construction & Demolition Waste



May 2016

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Solid Waste Management in Hawaii

Historically, Hawaii's primary way to manage solid waste has been disposal in landfills. With shortages of landfill sites and stricter federal government regulations (40 CFR 258 "Subtitle D") requiring a significant upgrade of waste disposal facilities, the State Legislature directed the Department of Health to evaluate solid waste management practices in Hawaii and develop a statewide plan. The result

of the study was the 1991 Integrated



Solid Waste Management (ISWM) Plan.



The Plan is a comprehensive document focusing on reducing the generation of waste by moving away from conventional methods of waste disposal in landfills and incinerators. The three main waste reduction methods advocated in the Plan are source reduction, recycling and composting. The Plan called for statewide waste reduction goals of 25% by 1995, and 50% by year 2000. It was a guidance document which evaluated existing solid waste practices in the state and developed ways to move Hawaii toward sustainable waste management as a first priority and disposal as a final resort. It concluded that Hawaii had a need to plan for incineration with

energy recovery and landfilling, but that those efforts should not jeopardize current and future source reduction, recycling, and composting efforts.

Concurrent with the Plan, the legislature passed Act 324-91 which requires that the counties develop their own detailed ISWM Plans to insure the diversion of solid waste from landfills and incinerators. The State did achieve a waste diversion rate of 35.1% in FY2011. We needed a significant increase in recycling to meet the Environmental Protection Agency (EPA) goal of 35% goal by 2005. The EPA had a goal of 50% by the year 2000, but revised it to 35%

by the year 2005, finding

that states need a more realistic time frame to reach higher total

waste reduction.

Construction & Demolition (C&D) material is targeted for landfill diversion

by the City & County of Honolulu and the Neighbor Island counties because of the significant amount generated. Various county studies showed in 1995, over 30% of the waste generated (or 600,000 tons/year) was estimated to be C&D material.

Construction And Demolition Waste Management

Across the country, the volume of C&D waste is growing as older buildings are being demolished to make way for new ones. Over the last few years on Oahu, we've seen many major downtown and military structures torn down and replaced as we continue to increase urban densities. The majority of this material ends up in Oahu's landfills, but a significant amount is disposed of in a growing number of illegal dumps.

In Hawaii today, there is one privately owned C&D landfill at Nanakuli on the island of Oahu, and another on the island of Maui. The other major islands do not have C&D landfills. On these islands, C&D waste is being disposed at municipal solid waste (MSW) landfills. MSW landfills, in

contrast to C&D landfills, are more costly to construct and operate because they must comply with stringent federal regulations. Therefore, C&D waste that is disposed in MSW landfills consumes valuable disposal space.

As a result of the Integrated Solid Waste Management Plan, progress was made in implementing improved solid waste disposal methods which protect the environment. These improvements were necessary to comply with federal regulations imposed on the disposal facilities. If we are to become a sustainable society, Hawaii must work to divert waste from disposal. Let's examine some of the reasons for reducing our generation of C&D waste, and recycling what we generate.

Extending The Life Of Our Landfills

Landfill space in Hawaii is rapidly decreasing. As an island state, we have limited available land and no one wants a dump in their neighborhood. As previously mentioned, the State of Hawaii enacted legislation requiring that the counties develop policies aimed at reducing waste sent to landfills. To reach our goals, it is essential that the C&D waste stream is managed through source reduction, reuse, and recycling efforts. Fortunately, there can be considerable cost savings for construction

and demolition contractors who reduce or recycle those materials. These savings can increase as landfill capacity diminishes and disposal costs increase in coming years.

Unfortunately, as landfill costs increase, incidences of illegal dumping also rise. Illegal dumping sites with no health or environmental controls in place pose significant threats to public health and the environment. Establishing viable recycling options can help reduce the occurrence of illegal dumps.

What Is Construction And Demolition Waste?

CONSTRUCTION AND DEMOLITION (C&D) waste is defined as solid, largely inert waste resulting from the construction, repair, demolition, or razing of buildings, roads and other structures. The term also includes debris from the clearing of land for construction.

This waste stream includes, but is not limited to: concrete, brick, asphalt, gypsum, wood waste, roofing and roofing paper, glass, ferrous and nonferrous metals, soil, trees, and shrubs.

Conserving Our Natural Resources

Construction, demolition and land clearing materials can be recycled into a number of useful products. Concrete and asphalt wastes can be crushed for use as aggregate base in road construction; metal can be sold as scrap to processors for recycling. Untreated wood and green wastes can be used as mulch or processed into compost;

new drywall scrap can be used to amend organic compost; and corrugated cardboard can be recycled into new cardboard packaging. All of these recycling efforts help to conserve natural resources, one of the primary goals of resource recovery.

Reducing Waste Hauling And Disposal Costs

If your construction, demolition, and land clearing materials are currently being sent to a landfill, your disposal costs may be unnecessarily high. The tip fees at C&D landfills are considerably less than those of the MSW landfills.

Transport costs are also another concern among contractors. Transport waste materials to recycling processors permitted by the Department of Health, Solid Waste Section (586-4226). The listings in this guide show many recycling options for C&D wastes. Many are located much closer to populated areas than the MSW and C&D landfills. Depending on the size of your project, your company may be able to save money through reduced hauling and avoided disposal costs.

In addition, many contractors already receive revenues from

the sale of pre-sorted materials such as scrap metal and cardboard. Contractors can arrange to have bins provided and have source separated C&D materials hauled from construction sites. There are also processing firms with on-site crushers for recycling and reuse of concrete and asphalt. This eliminates hauling and disposal fees, and the contractor can avoid purchasing structural fill or aggregate. Some waste haulers may offer special services, at reduced fees, for clean, partially separated construction materials.

This guide shows how to reduce the volume of C&D debris going into landfills. It also provides information on the reduction, reuse and recycling of construction and demolition materials at the source.

REDUCE, REUSE, RECYCLE

Diverting waste from our disposal facilities involves finding ways to reduce, reuse and recycle. There are many advantages and benefits to waste reduction. We protect our environment and economic resources. We use less raw materials and thereby less energy to extract or harvest them from our natural environment. We

reduce the need for expensive and environmentally damaging disposal options and we create a market for waste materials to be used for recycling. The following discussion will provide an overview of some alternatives to disposal for C&D waste.

Waste Reduction

For a successful C&D waste reduction program, we need to educate the public, businesses, developers, contractors, and architects to use less and still achieve success. When designers and builders understand the negative impact that waste has on the environment, and the positive impact they can make in their efforts to reduce waste, they can be more proactive.

Architects must think ecologically about design and should design to use less. There are a number of ways architects may consider when specifying a product in the design of a project:

- Does the design or construction process reduce waste?
- Do the products specified include recycled content?
- Does the project use locally available and often overlooked resources?
- Are the products or materials specified easily recyclable?
- Can the products or materials specified be easily reused or salvaged?

For additional information, contact the Office of Solid Waste Management at (808) 586-4226.

The Re-use Concept: Materials Exchanges

Some materials can be separated and reused in their existing form at the site, or later by other businesses and organizations. High value items such as doors, windows, fixtures and equipment may be accepted by local non-profit organization for self-help projects. In addition some contractors have found outlets for scrap plywood and drywall. For example, the Aloha Shares Network (866) 542-2232 (toll free) can list your unwanted items on its computerized data base. Also, some non-profit organizations and businesses take used paint for

community beautification. By participating in a materials exchange, a company can improve its bottom line by reduced hauling and disposal fees, receive a tax deduction and help the community. Using a materials exchange requires advance planning. While many local organizations may be able to reuse your unwanted materials, the timing of your project and collection or drop off requirements must be addressed in advance. See the reusable building materials section at the end of this guide.

Waste Recycling

How about recycling? Take scrap lumber, which due to its size or condition cannot be reused, cut, press and glue it together into press board - you are recycling it. The wood fiber has gone through a remanufacturing process. Recycling requires energy and may have environmental implications when materials go through remanufacture. Therefore, reuse is generally preferred over recycling.

But recycling can provide significant benefits over making the product from virgin material. Today's waste entrepreneurs use heavy-duty, industrial materials. Current efforts in C&D waste reuse and recycling by Hawaii businesses include:

- Excavated Dirt: used for fill or topsoil.
- Excavated Rock: used for decorative walls or road base material.
- Non-Lead Based Painted Concrete: crushed and used for road base, backfill or sub-base for building construction.

- Asphalt concrete: crushed for use as aggregate, road base, or new asphalt concrete.
- Untreated Wood Waste: reused as pallets, or ground into mulch or biofuel.
- Green Waste: ground for use as mulch or for compost.
- Steel: processed for shipment to steel mills out of state.
- Cardboard: baled for shipment to paper mills out of state.

Managing C&D Waste: A Checklist

CONDUCT AN INFORMAL WASTE AUDIT

Determine the amounts, types, and time-frame for construction and demolition materials generated by your projects. Calculate any possible cost savings from reducing a portion of this waste, in terms of hauling and disposal cost avoidance.

REDUCE

Look at strategies to reduce construction and demolition waste volumes. Proper materials management practices may result in cost savings. Assure that precise estimates are made prior to purchase of materials, and that accurate measurements are made prior to cutting materials so that excess scrap and end cuts can be avoided.

Consider having materials pre-cut at lumber yards, using engineered wood products, steel framing, or other pre-manufactured components. Work with suppliers and subcontractors to minimize excess packaging and other non-essential material from being brought on site.

REUSE

Consider the potential for others to use the materials you normally discard. Consider planning ahead and calling Aloha Shares Network, Habitat for Humanity or other non-profit organizations to list such materials and/or arrange donations. This can provide your company with additional tax deductions. Conduct site pre-assessments for demolition projects to evaluate what materials can be salvaged for reuse, such as cabinets, architectural woodwork, light fixtures, and appliances.

RECYCLE

Investigate the companies listed in this guide that can recycle some of your construction and demolition waste from either source-separated or mixed loads. Compare the costs of recycling with the costs of disposal. Contact haulers. They may help you set up an effective separation program. Work with your subcontractors to keep recyclable scrap from being mixed with trash during clean-up.

EDUCATE EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS

Whatever waste reduction strategies you choose, it is crucial to educate and motivate employees and subcontractors for maximum participation. Emphasize that source reduction, reuse, and recycling is everybody's business.

Beginning a Construction and Demolition Recycling Program

The first step is to find out the quantities and the composition of your waste; the time frame in which waste materials will be generated; and the amount of space available for separation of materials at the site.

Then with this information, you can begin to determine what wastes will be generated and if quantities will be significant enough to warrant source separation. Depending on the availability of storage and hauling, decisions can be made as to what materials to separate from the mixed wastes.

Of course, the more materials which are eliminated from the mixed wastes, the less material that must be hauled for disposal and the more money you can save.

C & D WASTE MANAGEMENT FACILITIES

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REUSABLE BUILDING MATERIALS - FURNITURE, FIXTURES AND EQUIPMENT

ANGEL NETWORK CHARITIES 5339 Kalanianaole Highway Honolulu, HI 96821	377-1841 377-9790 (fax)	<i>Services:</i> Accepts donations of appliances, furniture and household items which they donate to homeless families or for resale to the public
NANAKULI HOUSING CORPORATION (BASEYARD HAWAII) 50 Sand Island Access Road Honolulu, HI 96819 www.baseyard.com	842-0770 842-0780 (fax)	<i>Services:</i> Accepts and restores new and used reusable construction goods
GOODWILL INDUSTRIES 2610 Kilihau St. Honolulu, HI 96819 (corporate office) www.higoodwill.org 961-6427 (Hilo) 443-5858 (Kona) 442-8989 (Kahului)	836-0313 833-4943 (fax) 521-1798 (Beretania) 263-9312 (Kailua) 737-3284 (Kaimuki) 792-5100 (Kapolei) 488-1230 (Pearl City) 677-9521 (Waipahu) 621-6054 (Wahiawa)	<i>Services:</i> Accepts donations of small appliances and other household items (CALL FIRST)

HABITAT FOR HUMANITY

1136 Union Mall, Ste. 510
Honolulu, HI 96813
(corporate office)

538-7070
538-7171 (fax)
696-7882 (Kapolei)
935-6677 (Hilo)
331-8010 (Kailua-Kona)
242-1140 (Kahului)
335-0296 (Kauai)

Services:

Accepts donations of building materials for use in self-help housing projects (CALL FIRST)

www.honoluluhabitat.org (Honolulu)
www.leewardhabitat.org (Leeward Oahu)
www.hilohabitat.org (Hilo, East Hawaii)
www.habitatwesthawaii.org (Kona, West Hawaii)
www.habitat-maui.org (Maui)
www.kauaihabit.org (Kauai)

REUSE HAWAI'I

200 Keawe St.
Honolulu, HI 96813
www.reusehawaii.org

537-2228

Services:

Offers deconstruction services including plan development, testing, implementation and on-site assistance

SALVATION ARMY

2950 Manoa Rd.
Honolulu, HI 96822
(corporate office)
www.salvationarmyhawaii.org

522-8460 (Kalihi)
261-1756 (Kailua)
671-0102 (Waipahu)
621-7083 (Wahiawa)
935-5531 (Hilo)
331-1307 (Kailua-Kona)
775-7346 (Honokaa)
245-7808 (Lihue)

Services:

Accepts donations for resale of furniture and small appliances; call for pickup of larger items (CALL FIRST)

OAHU – AGGREGATE

ALAKONA CORP.

91-504 Awakumoku St.
Kenai Industrial Park
Kapolei, HI 96707

833-1991
833-6422 (fax)

Services:

Accepts and crushes uncontaminated reinforced asphalt and concrete from their own jobs into fill (CALL FIRST)

GRACE PACIFIC CORPORATION

Makakilo Upper Quarry
www.gracepacificcorp.com

672-3545
672-3998 (fax)

Services:

Accepts and crushes uncontaminated reinforced concrete and asphalt into base course material

KALAKA NUI, INC. 91-558 Awakumoku Street Kapolei, HI 96707 http://kalakanui.com/	682-2847 682-1907 (fax)	Services: Accepts and crushes uncontaminated/unpainted asphalt reinforced concrete into fill (CALL FIRST)
KAPAA QUARRY RECYCLING, INC 905 Kalanianaole Hwy Kailua, HI 96734	729-3633	Services: Accepts and crushes uncontaminated/unpainted asphalt reinforced concrete into fill (CALL FIRST)
TAJIRI LUMBER, LTD. 1002 Puuwai Street Honolulu, HI 96819	841-2896 848-4847 (fax)	Services: Accepts and crushes uncontaminated/unpainted reinforced concrete into fill (CALL FIRST)
TILECO, INC. 91-209 Hanua Street Campbell Industrial Park Kapolei, HI 96707	682-5737	Services: Accepts and crushes uncontaminated/unpainted concrete masonry blocks from their own jobs into remanufactured concrete blocks and sand (CALL FIRST)
WEST OAHU AGGREGATE Co., INC. 87-1650 Paakea Road Waianae, HI 96792 http://woahawaii.com/	847-6746 842-3470 (fax)	Services: Accepts and crushes uncontaminated/unpainted reinforced concrete into fill (CALL FIRST)

OAHU - FERROUS METALS - STEEL

LENOX RESOURCES, INC. 91-185 Kalaeloa Blvd. Kapolei, HI 96707	682-5539 682-4923 (fax)	Services: Accepts ferrous metal
SCHNITZER STEEL HAWAII CORP. 91-056 Hanua Street Campbell Industrial Park Kapolei, HI 96707 www.hawaiimetalrecycling.com	682-5810 682-0604 (fax)	Services: Accepts and processes ferrous metal

OAHU - NON-FERROUS METALS - ALUMINUM, BRASS, COPPER, AND STAINLESS STEEL

C.M. RECYCLING, LLC 204 Sand Island Access Road Honolulu, HI 96819	842-6640 842-6733 (fax)	Services: Accepts and processes non-ferrous metal
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DEPOT METAL RECYCLING, LLC 94-037 Waipahu Depot Street Waipahu, HI 96797	677-6969 or 841-3500 422-8749 (fax)	<i>Services:</i> Accepts non-ferrous metal
ISLAND RECYCLING, INC. 91-140 Kaomi Loop Kapolei, HI 96707 www.islandrecycling.com	845-1188 842-0907 (fax)	<i>Services:</i> Accepts aluminum and non-ferrous metal
LENOX RESOURCES, INC. 91-185 Kalaeloa Blvd. Kapolei, HI 96707	682-5539 682-4923 (fax)	<i>Services:</i> Accepts aluminum and non-ferrous metal
OKUDA METALS, INC. 1804 Kahai Street Honolulu, HI 96819	845-6856 842-0249 (fax)	<i>Services:</i> Accepts aluminum and non-ferrous metal
REYNOLDS RECYCLING, INC. 99-1160 Iwaena Street Aiea, HI 96701-3258 and various locations	487-2802 486-7753 (fax)	<i>Services:</i> Accepts aluminum and non-ferrous metal
For a list of all other satellite locations on Oahu visit www.reynoldsrecycling.com		

OAHU - WOOD AND GREENWASTE

AUWAE'S FARM, LLC 87-1240 Hakimo Road Waianae, HI 96792	668-2730	<i>Services:</i> Accepts clean green waste from their own jobs for processing
MENEHUNE GREEN, LLC DBA HAWAIIAN EARTH PRODUCTS 91-400 Malakole Road Kapolei, HI 96707 65-1101 Wilikina Drive, Waialua	682-5895 682-0762 (fax)	<i>Services:</i> Accepts clean green waste and clean wood (i.e., untreated wood pallets and crates) for processing into "Menehune Magic" organic soil amendments
41-740 Mokulama Street www.menehunemagichawaii.com		
ISLAND TOPSOIL, LLC 85-443A Waianae Valley Road Waianae, HI 96792 http://www.islandtopsoil.com/	696-8871	<i>Services:</i> Accepts clean green waste
LEEWARD WHOLESALE NURSERY 96-075 Farrington Highway Waipahu, HI 96797	677-0906	<i>Services:</i> Accepts clean green waste

WINDWARD TRANSFER, LLC	
DBA HAWAIIAN EARTH PRODUCTS	
199 Kapaa Quarry Road	261-5877 or 682-4246
Kaneohe, HI 96744	682-4248 (fax)

Services:
Accepts clean green waste

OAHU – CARDBOARD

HONOLULU RECOVERY SYSTEMS		Services:
358 Hookela Place	842-3602	Accepts, picks up and processes
Honolulu, HI 96819-6356	841-2438 (fax)	cardboard
ISLAND RECYCLING, INC.		Services:
91-140 Kaomi Loop	845-1188	Accepts and processes cardboard
Kapolei, HI 96707	842-0907 (fax)	
www.islandrecycling.com		
LENOX RESOURCES, INC.		Services:
91-185 Kalaeloa Blvd.	682-5539	Accepts cardboard
Kapolei, HI 96707	682-4923 (fax)	
UNITED ENVIRONMENTAL SERVICES, INC.		Services:
91-517 Awakumoku St.	682-1001	Accepts cardboard
Kenai Industrial Park		
Kapolei, HI 96707		

OAHU - PALLETS

MENEHUNE GREEN, LLC		Services:
DBA HAWAIIAN EARTH PRODUCTS		Accepts uncontaminated,
91-400 Malakole Road	682-5895	untreated/unpainted used wooden
Kapolei, HI 96707	682-0762 (fax)	pallets and uncontaminated,
	261-5877	untreated/unpainted wood
Wilikina Drive, Waialua		
www.menehunemagichawaii.com		
ISLAND RECYCLING, INC.		Services:
91-140 Kaomi Loop	845-1188	Accepts and repairs uncontaminated
Kapolei, HI 96707	842-0907 (fax)	untreated/unpainted used wooden
www.islandrecycling.com		pallets
WINDWARD TRANSFER, LLC		Services:
DBA HAWAIIAN EARTH PRODUCTS		Accepts uncontaminated,
199 Kapaa Quarry Road	261-5877 or 682-4246	untreated/unpainted used wooden
Kaneohe, HI 96744	682-4248 (fax)	pallets and uncontaminated,
		untreated/unpainted wood

OAHU - APPLIANCES

ISLAND RECYCLING, INC.

91-140 Kaomi Loop
Kapolei, HI 96707
www.islandrecycling.com

845-1188
842-0907 (fax)

Services:

Accepts white goods

REFRIGERANT RECYCLING, INC.

91-220 Komohana Street
Kapolei, HI 96707

682-1555
682-1904 (fax)

Services:

Accepts and processes white goods.
Removes Freon/CFCs and used oil

91-571 Nukuawa St., Kapolei

SCHNITZER STEEL HAWAII CORP.

91-056 Hanua Street
Campbell Industrial Park
Kapolei, HI 96707

682-5810
682-0604 (fax)

Services:

Accepts/ and processes white goods
and ferrous metals

www.hawaiimetalrecycling.com

OAHU - TRANSFER STATION

ISLAND DEMO, INC.

2769 Kilihau Street
Honolulu, HI 96819
www.islanddemo.com

839-5522
839-5515 (fax)

Services:

Accepts and sorts construction and
demolition debris

OAHU - C & D LANDFILL

PVT LAND COMPANY

87-2020 Farrington Highway
Waianae, HI 96792
www.pvtland.com

668-4561
668-1368 (fax)

Services:

Accepts and landfills construction
and demolition site materials,
including: concrete, hollow
bituminous concrete, asphalt
pavement, wood, glass masonry,
flooring, siding plaster, dirt, rock,
stumps, boulders and brush

KAUAI

ESAKI SURVEYING & MAPPING, INC. Poipu Road Koloa, HI 96756	246-0625	<i>Services:</i> Accepts green waste (CALL FIRST)
GARDEN ISLE DISPOSAL 2666 Niumalu Road Lihue, HI 96766 www.gardenisledisposal.com	245-2372 245-2435 (fax)	<i>Services:</i> Accepts cardboard
HEART & SOUL ORGANICS, LLC 6020 Kuamoo Road Kapaa, HI 96746	823-1007	<i>Services:</i> Accepts green waste
PACIFIC CONCRETE CUTTING AND CORING, INC. 4538 Hoomana Road Lihue, HI 96766	245-6919	<i>Services:</i> Accepts and processes uncontaminated/unpainted concrete and asphalt
RESOURCE RECOVERY SOLUTIONS 3951 Puhi Road Lihue, HI 96766	245-6919	<i>Services:</i> Accepts and processes scrap metal and white goods. Removes Freon/CFCs and used oil
REYNOLDS RECYCLING various locations For a list of all satellite locations on Kauai visit www.reynoldsrecycling.com		<i>Services:</i> Accepts non-ferrous scrap
SHREDCo, LLC Kekaha	246-2003 246-2006 (fax)	<i>Services:</i> Accepts green waste (CALL FIRST)
KEKAHA LANDFILL 6900 Kaumualii Highway in Kekaha	337-9213	<i>Services:</i> Accepts and landfills construction and demolition site materials, including: concrete, hollow bituminous concrete, asphalt pavement, wood, glass masonry, flooring, siding plaster, dirt, rock, stumps, boulders and brush

MAUI

MAUI DISPOSAL COMPANY, INC. 380 Alamaha Street Kahului, HI 96732 www.mauidisposal.com	242-7999 242-9471 (fax)	Services: Accepts, picks-up and processes cardboard
MAUI EARTH COMPOST INC. At corner of Hanson Road and Pulehu Road, in Puunene	877-0403	Services: Accepts and processes green waste
KIHEI COMPOST, LLC Piilani Hwy, next to Kihei Wastewater Reclamation Facility www.maiearthcompost.com		
POHAKULEPO RECYCLING, LLC DBA HAWAIIAN CEMENT 0.2 miles West of Honoapi'ilani Highway, Wailuku	871-7004	Services: Accepts and processes uncontaminated/unpainted concrete
MAUI EKO SYSTEMS Next to the Central Maui Landfill	572-8844 877-7589 (fax)	Services: Accepts and processes green waste and uncontaminated, untreated/unpainted wood waste
REYNOLDS RECYCLING various locations For a list of all satellite locations on Maui County visit www.reynoldsrecycling.com		Services: Accepts non-ferrous scrap
SCHNITZER STEEL HAWAII CORP. DBA HAMMERHEAD METALS RECYCLING 2000 Mokulele Highway Puunene, HI 96784 www.hammerheadrecycling.com	280-8844 877-0202 (fax)	Services: Accepts and processes white goods and scrap metal. Removes Freon/CFCs and used oil
DECOTIE C & D LANDFILL At corner of Pi'ilani Highway and Honoapi'ilani Highway	871-7496 877-6412 (fax)	Services: Accepts and landfills construction and demolition site materials, including: concrete, hollow bituminous concrete, asphalt pavement, wood, glass masonry, flooring, siding plaster, dirt, rock, stumps, boulders and brush

HAWAII (BIG ISLAND)

ATLAS RECYCLING 30 Makaala Street Hilo, HI 96720	935-9328	Services: Accepts cardboard, pallets and non-ferrous metals; operates drop-off locations in select areas
74-5600 Alapa Street Kailua-Kona, HI 96740 www.atlasrecyclingcenter.com/	329-6868	
BIG ISLAND SCRAP METAL, LLC 16-168 Kalara Street Keeau, HI 96749	854-4530	Services: Accepts ferrous scrap metal
74-589 Honokohau Street, Kailua-Kona http://www.bigislandsrapmetal.com/		
BUSINESS SERVICES HAWAII 16-630 Kipimana Street Keeau, HI 96749 www.businessserviceshawaii.com/	959-1436	Services: Accepts cardboard
COUNTY OF HAWAII/MENEHUNE GREEN 7111 Queen Kaahumanu Hwy., West Hawaii Landfill	961-8083	Services: Accepts and processes green waste and uncontaminated/unpainted pallets
Ammunitions Road South Hilo Convenience Center		
EAST HAWAII METALS 23 Kukila Street, Bay C Hilo, HI 96720	933-9944	Services: Accepts non-ferrous scrap metal
MAUNA LANI RESORT ASSOC. 68-150 Ho'ohana Street Kohala Coast	885-0681	Services: Accepts and processes green waste
REYNOLDS RECYCLING various locations For a list of all satellite locations on Hawaii visit www.reynoldsrecycling.com		Services: Accepts non-ferrous scrap
RYAN K. TOWING 16-366 Railroad Avenue Keeau, HI 96749 http://www.ryankservices.com/	319-8602	Services: Accepts cardboard (CALL FIRST)
SANFORD'S MULCHING FACILITY 13-3820 Pahoa-Kalapana Road Pahoa, HI 96778 http://sanfordsinc.com/	965-8144	Services: Accepts green waste (CALL FIRST)

WEST HAWAII CONCRETE 74-4925 Queen Kaahumanu Highway Kailua-Kona, HI 96740	329-3561	<i>Services:</i> Accepts and crushes uncontaminated reinforced concrete into base course material
68-1244 Waikoloa Road www.concretewesthawaii.com/		Accepts green waste
WEST HAWAII LANDFILL Near corner of Queen Kaahumanu Highway and Pu'u Pohaka Road	886-8059	<i>Services:</i> Accepts and landfills construction and demolition site materials, including: concrete, hollow bituminous concrete, asphalt pavement, wood, glass masonry, flooring, siding plaster, dirt, rock, stumps, boulders and brush
HILO LANDFILL Along Railroad Ave. in Hilo	961-8635	<i>Services:</i> Accepts and landfills construction and demolition site materials, including: concrete, hollow bituminous concrete, asphalt pavement, wood, glass masonry, flooring, siding plaster, dirt, rock, stumps, boulders and brush

For further information on construction and demolition recycling, please contact:

Department of Health
Office of Solid Waste Management
<http://health.hawaii.gov/shwb/solid-waste/>
(808) 586-4226
fax (808) 586-7509