

MAY 19, 2021



AKIAK LANDFILL ASSESSMENT

DOUG HUNTMAN DELTA BACKHAUL COMPANY 16016 Bridgeview Dr. Delta Backhaul Company, (DBC) is a rural solid waste and capital projects improvement organization focused on assisting communities throughout Alaska with their solid waste and special project's needs. DBC works with local crews to ensure that projects are completed correctly and on time! We are bonded and our equipment is ensured. Landfill improvement projects and backhaul collection events remains the primary focus of the organization, but we are also available for special projects in rural Alaska.

- Landfill clean-up projects
- Household hazardous waste collection
- Scrap metals backhaul
- Heavy equipment rental
- Demolition projects
- Car/heavy equipment backhaul
- Hazardous waste inventory/backhaul

- Transportation logistics
- Project management
- Landfill fence installation
- Aerial image capture
- Heavy equipment repair & maintenance
- Landfill operator training
- Solid waste technical assistance

Project Scope

Akiak is located on the west bank of the Kuskokwim River, 42 air miles northeast of Bethel, on the Yukon-Kuskokwim Delta. There are no roads connecting Akiak to the road system in Alaska. Akiak airport has one runway with a gravel surface measuring 3,196 feet by 75 feet. Yute Air offers passenger flight service. Snow machines, ATVs and skiffs are used extensively for local transportation to nearby villages. There are no docking facilities. The Kuskokwim River is navigable by barge in the summer and is reported to be drivable in the winter on the ice.

Site Visit

On May 19, 2021, Doug Huntman, owner of Delta Backhaul Company traveled to Akiak on Yute Air for an assessment of the Akiak Class III landfill, assessing a possible liner leak on the northwest side of the Akiak Sewage lagoon and documenting a stretch of bank erosion on the eastern side of the village. Doug was hired by Joel Neimeyer for the purpose of evaluating three locations in Akiak and follow-up report on his findings. Doug worked for the Alaska Department of Environmental Conservation (ADEC) as an Environmental Specialist III from 2006-2016 and has been to Akiak on three previous inspection visits. Doug preformed the ADEC Class III landfill inspection in 2008 and 2016 and traveled to Akiak after a storm event to evaluate erosion in 2014.

Doug met with Ted Williams, IGAP Coordinator for the Native Village of Akiak. Ted showed Doug around the village and was able to provide local knowledge for each of the sites. Doug was in Akiak for approximately seven hours and was able to complete the assessment at each of the sites. Drone aerial imagery was gathered during the assessment at each of the sites and some of the photos are provided in this report.

Landfill Location

The Akiak Class III landfill is the primary disposal location for this community. The most recent ADEC Class III landfill inspection report in 2016 showed a score of 78%. Photos from the 2016 inspection show a

landfill with much less waste. The landfill perimeter fence measures 350' length, by 255' width with the overall size of the site at 2.7 acres of land. The landfill entrance gate is broken and left open, allowing for uncontrolled dumping by residents. The landfill does not have a landfill operator and only is managed in emergencies. Akiak has a waste collection program where residents pay to have their trash picked up.

Landfill Assessment

The landfill was evaluated by Delta Backhaul Company using the ADEC Community Waste Management Index. The score was waste index was completed through interviews with the IGAP program coordinators, City officials and trash hauler. The Akiak Class III landfill is operated as an area fill site and located on the east side of the community. The perimeter fence was measured, and the four corners walked using a measuring wheel. Photographs of the site were taken and drone imagery including video and stills were collected using a DJI Mavic Air quadcopter. The landfill received a total score of 76 points out of a possible 160 points, or 48%. Landfill operations have been drastically reduced over the past years leading to the dramatic drop in landfill score. The landfill received a score of 0 in Compaction, Vector & Nuisance Control, Slopes & Grading and Animal Carcasses. The landfill assessment field notes and detailed scoring are attached with this report.

Overall condition of the landfill was poor. Entrance signs provided only basic information and the front gate was broken in the open position. The landfill has minimal separation of waste with waste is spread throughout much of the site. There was no evidence of open burning at the site and a burn box used for reducing the volume of burnable waste had not been used for some time. Three were no signs posted inside the landfill to provide information on segregating waste, or list prohibited items. The landfill does employ an operator and there is no dedicated heavy equipment for the landfill. Waste is only pushed back in emergencies and there was no working face at the landfill. The wall of waste inside the landfill was over 10 feet high during and had an almost 1:1 slope. No compaction, or landfill cover was observed, and the large footprint of waste was open to the element.

Litter was observed on the road to the landfill and around the site. There were no inactive areas in the landfill as waste was actively being place all around the site. There were no plans for corrective action at the landfill and no equipment dedicated to improved management. While no leachate was observed, conditions were present for its formation. Stormwater controls were not present, and it was reported that water can rise during an ice dam event on the Kuskokwim and impact the landfill. There were no clear impacts to permafrost around the landfill, but there was a large amount of standing water in the site. Several dead dogs and two dead lynx were observed in the landfill. There is no separate area defined for dead animals and subsistence waste. There were no signs posted for household hazardous waste and several computers and televisions were in the site. Demolition debris from an old house was located near the landfill entrance. There are no controls to address RACM Asbestos and the C&D was not covered.

A defined salvage are was not present in the landfill. Metals and old vehicles were mixed with residential waste. Vehicles were in a separate area near the landfill entrance, but were mixed with trash mixed. It was not known if fluids and lead acid batteries had been removed. Appliances were in a separate area of the landfill near the perimeter, but there were no markings indicating that Freon had been removed. Lead acid batteries are regularly shipped out for backhaul.

The Akiak Class III landfill has a current ADEC permit (Permit # SW3A179-22) and expires 6/19/22. The landfill does not follow an operations plan and there is basic visual monitoring of the site. The Native Village of Akiak participated in the regional Kuskokwim HHW backhaul program and in 2019 collected and removed several hundred pounds of material thought the event. Akiak is scheduled to participate in this

summer's regional backhaul collection event. Akiak also has a collection program for waste. A trash hauler collects household waste several times a week from residents for \$10 a month.

The landfill conditions reflect poor management, no landfill operator and no heavy equipment for handling waste. Waste reduction could be achieved through consolidation, compaction and cover, but it was reported that only basic operations at the landfill have been carried out over the past two years. The conditions at the site will now require a major clean-up, and/or closing of the site. Large piles of uncovered waste present health risks to the community. The proximity of the landfill to the nearest house (280 ft) also increases the potential impact the landfill has to the residents of Akiak.









The Akiak landfill capacity was evaluated using a modified version of the ADEC landfill life expectancy calculator. Based on current population size of 420 residents and an estimated 2,900 lbs. of waste generated daily and poor operations, the landfill is nearing the end of its useful life. This relatively large volume of waste for the landfill footprint, combined with no consolidation and compaction of waste results in the landfills near capacity appraisal. It is estimated that the landfill capacity is at **96%** and has less than two years of useful life less. Doug observed during a 2013 landfill inspection for ADEC, that waste was being placed in a pit (filled with water) in the landfill. The 2021 revealed waste piled up to 10 feet high throughout the site. It is recommended that a new landfill location be sited, and funding secured to develop a new site. The new landfill should be constructed and opened prior to closing an old site, to ensure uninterrupted waste disposal service for the community. New landfills built in rural Alaska take an average of 2-4 years to site, construct and open and failing to plan ahead will result in nowhere for the approximately ton and a half of daily waste to go. Poor management practices from should be corrected and not transferred to the new site. A dedicated piece of landfill equipment and at least a part-time

landfill operator should be explored. The complete landfill life expectancy calculator has been attached with this report.



Sewage Lagoon

The Akiak Sewage system includes a gravity sewer main and manholes to connect the entire community to a lift station and the sewage lagoon. The community was hooked up to running water and sewer in 2012. The community maintains a honey bucket lagoon located next to the landfill to accommodate residents who are still on honey buckets. The main lagoon covers an area of approximately 11,500 sq.ft. and is located in a 7.25 acre fenced area. The site was flown with a drone and a large area of water was observed along the northeast side of the site. Ground investigation observed lush green vegetation and a faint odor. The ponding appeared to be permanent and not as a result of snow melt, or melting permafrost. A sample was collected and analyzed for fecal coliform. Unfortunately, the sample was contaminated with trace amounts of magnesium and iron and an analysis was not able to be performed.



Erosion

Erosion is an issue along the eastern bank of Akiak. The BIA lists the bank erosion along the shoreline at 4.1 feet per year. Erosion along the Kuskokwim is accelerated during breakup and fall flooding. In 2015 a particularly strong storm event eroded 20+ feet of shoreline. The banks of the Kuskokwim River are directly affecting the road and continues to threaten houses along the east banks of Akiak. Loose soil, possibly affected by the melting permafrost, come into direct contact with the quickly moving Kuskokwim River. In one location, a large whirlpool was observed near the bank. It is reported that this whirlpool serves to accelerate erosion in the vicinity. Several houses had recently been relocated in the village and several more are slated to be moved in the coming months.









Conclusion

There are many environmental and solid waste management challenges facing Akiak. Members of the community are concerned with both erosion and the landfill. Both issues are very visible and have the potential to impact residents. The landfill has reached its end-of-life capacity and plans to move the site should be started. Substantial funding resources along with dedicated effort from the community leaders is required to fund and eventually construct a new landfill. The erosion issue is an important one and will require substantial mitigation efforts. If not addressed, Akiak will continue to lose shoreline and will need to move additional houses and other infrastructure. The sewage lagoon issue needs to be researched further. The inconclusive sampling at the site does not conclusively show fecal coliform contamination. Visual and olfactory evidence, however, suggests that there is a leak in the lagoon liner lagoon and corrective action to repair the leak needs to be completed.

Doug Huntman - Owner, Delta Backhaul Company



Landfill Life Expectancy Calculator - Area Fill, Undesigned

Current Landfill Conditions

Length of Landfill Footprint (feet) Width of Landfill Footprint (feet)		350 255
Side Slope of Landfill (%)	2 to 1 Slope = 50% 3 to 1 Slope = 33% 4 to 1 Slope = 25%	50%
Current Height of Waste above Ground (feet) Final Design Height for Landfill (feet)		10 12

One-Time Waste Disposal Impacts (polluted soil disposals or demolition debris disposals)

Waste Type:	Volume (cy):
Polluted Soil	0
Construction and Demolition Debris	100
Total (cy):	100

Waste Generation Estimates

What is Population of Community (average population)		420
Assumed Waste Generation Rate (pounds per person per day)	1 - 7 typical	6
Loose Waste Density (pre-disposal or processing) (pounds/cubic yard)	250 - 300 typical	300

Waste Volume Reduction

What Percentage of Waste Stream is Recycled or Backhauled (%)	5%
Percentage of Waste Stream Burned (%)	0%
Volume Reduction from Burning (%)	0%
Compaction Achieved at Landfill (%)	10%

Daily Waste Generation Calculations

Waste Generated Per Day (lbs):	2520
Waste Volume Generated per day (CY):	8.4
Recycled Volume (CY):	0.42
Non-Burnable Direct Dispose Volume (CY):	7.98
Volume of Ash (CY):	0.00
Volume Disposed Pre-Compaction (CY):	7.98
Final Volume After Compaction (CY):	7.18

Lifespan Calculations

Current Volume of Waste Disposed (CY):	28872
Total Capacity of Landfill (CY):	33555
Remaining Capacity (CY):	4683
Total Life Expectancy of Landfill (YR):	13
Remaining Life Expectance of Landfill (YR):	2



For Community Use

Each item should be scored from 0 to 5 based on your observations. To enter the score, click in the Score box beside the item you're scoring, then click on the small arrow that appears next to the box and select the score you want from the list that appears. NA will appear as an option where "not applicable" is appropriate. If you enter scores this way, the form will self-calculate the total score."

Inspector: **Participants:**

100

# (Lategory	0		andfill Site Co	ntrol 3	4	5	COMMENTS	Score
1 L N	andfill Road Iaintenance	Landfill access and onsite Landfill not accessible for more than one month per year	roads under the operator's Landfill usually accessible, roads barely passable, history of being inaccessible for more than one month	control must be kept pass Landfill generally accessible year round, history of being inaccessible for less than one month	able and safe for vehicles Landfill generally accessible year round, history of minor problems	during normal hours of op Landfill accessible year round, roads to and in landfill occasionally maintained	eration. 18 AAC 60.220 landfill accessible year round, roads to and in landfill actively maintained	Houses Along L.F. rond. Road open + Accessible.	ч
2	Signage	A clearly legible sign must biphenyl (PCB) waste . Sig dispose of special wastes. No signs at the landfill	be posted at the entrance t ns should identify the owr 18 AAC 60.240 Signs in poor condition, unreadable	to the landfill. The sign mus ther or operator, hours of o Basic information on where to dump was te and/or entrance sign	t prohibit disposal of regu peration, and emergency Basic information on where to dump waste and list of prohibited waste and/or entrance sign	Direction where to dump waste, list of prohibited waste, entrance sign, and burning instructions (if applicable)	d polychlorinated direct users where to Detailed direction where to dump waste, list of prohibited waste, complete entrance sign, burning instructions, and alternative disposal methods	Limited signs At. L.F. entrance. Pohibile Nems, contact info No open burning, No honey buckets	3
3 A	ccess Control	Access to the landfill facil unauthorized traffic or du No fence/barriers, open access, no restrictions	ity must be limited by the u Imping. 18 AAC 60.220 Barriers in poor condition, open access	se of fencing, berms, or nat Barriers in repairable condition, open access	Functional barriers, Functional barriers, but open gates, open access	blic access to the site. This Functional barriers, locking gate, restricted hours	should prevent Functional barriers, locking gates, restricted hours, monitored	Fence in good condition Offe broken and Propped open	Section Total S

350 - Rt side of (And Fill 255 - Dack side of (And Fill

	CAL			Burning				COMMENTS	Coore
#	Category	0 Burning of plastics, aspha	L Its, rubber, tars, oily wastes	z , or other materials in a wa	y that gives off black smok	e is prohibited. 18 AAC 50	.065(b)	C+D, vehicles, appliance	2
1	Waste Separation	No separation waste	Minimal separation of waste	Some separation of waste	Most wastes separated	Most wastes separated, separated waste properly disposed	All wastes separated & strictly monitored, all separated waste properly disposed	Seperated And disposed of in site. Large volum of waste not separated. Evidence of e-waste, dead Animals in general waste A	e reA
		Burning must be containe 18 AAC 60.355, 18 AAC 5	d and controlled and mana 0.065(b)	ged to minimize adverse en	vironmental effects and lir	hit the amount of smoke ge	enerated. 18 AAC 60.233,	operator lights burn	4
2	Burn Management	No management of burning - evidence of large fires throughout the landfill	No burn management - evidence of small fires in the landfill	Burn unit or trench loaded by users, lit by users	Burn unit or trench loaded by users, lit by operator	Burn unit loaded and lit only by operator in appropriate weather	Complete management: waste kept dry; burn unit loaded, lit & monitored only by operator in appropriate weather	time). Only burn when conditions Are right. No signs Around burn und. No covering of Ash.	
		Uncontained burning of r where burning is containe	nunicipal waste on the grou ed and controlled. 18 AAC 6	nd is not allowed at Class I 60.233, 18 AAC 60.355	II landfills. Burning may be	conducted in a burn box, l	burn cage, or other device	Shortys born unit for Lardbardonly. Not used	١
3	Burn Unit Used	No burn unit	Burn unit onsite - limited functionality or use.	Functioning burn box or burning in a trench	Burn cage	Enclosed burn unit with smoke stack	Incinerator with mechanical burner and air source	in A while. Too small for burning voloome of waste At site.	. F
	Dunning Tur-h	Uncontained, Uncontroll	ed burning of waste on the	ground is not allowed in th	e landfill.			No evidence of open.	1
4	on the Ground	Is there ANY evidence or o the landfill?	loes the community report	uncontained, uncontrolled	burning on the ground at	🐼 Yes	O No	lighting landfill years ago. Was reported	Section Total
								1	70

1	Category	0	1	Landfill Operat	tions 3	4	5	COMMENTS	Score
		An operator is one of three	e elements for a successful	l landfill program. RALO				No L.F. operator. Trash	1
Ope	Operator	No operator	Managed as emergency only	Managed periodically	Managed periodically by assigned personnel	Operator assigned to landfill, not allocated enough hours	Operator assigned to landfill, allocated enough hours	- hauleronly. Site accasional pushed back. No one to operate burn unit	ici
		Properly sized and maintain	ined equipment is one of t	hree elements for a succes	sful landfill program. RALC)		City aquipment used	2
Contraction of the local division of the loc	Equipment	No equipment	Broken but repairable equipment	Equipment borrowed - emergency only	Equipment borrowed - regular schedule	Appropriate landfill equipment available as needed - not properly stored or maintained	Appropriate landfill equipment available as needed - properly stored & maintained	OR AN "AS NEEDED - DASIS.	
		The working face must be	ie working face must be kept as small as practical. 18 AAC 60.345						L
:	Working Face	No designated working face, waste spread over entire landfill	Some attempt to keep waste to an specific area	Waste mostly in one area of the landfill	Dumping area identified, most waste limited to large dumping area	Dumping area identified, most waste limited to reasonably sized dumping area	Clearly identified dumping area, working face kept as small as practical	Some separation of waste. Most of site coursed in trash. Litter mixed in ul separated waste.	
1		Compaction of waste will	reduce the volume and exte	end the useable life of the l	andfill, and will reduce infil	tration of water that can cr	eate leachate.	No compaction	0
and the second se	Compaction	No effort to compact waste, uncontrolled waste	No effort to compact waste, equipment available	Compaction of waste, with poor results	Compaction of waste 1 - 4 times per year	Compaction of waste more than 4 times per year	Compaction of waste more than 4x/year with 4- 6 passes of large tracked vehicle, waste is well compacted	Pile of waste is 10° high.	
		Waste must be covered by 18 AAC 60.345	6 inches of soil or an app	g litter, and scavenging.	Cover Aunilable	1			
	Cover	No cover applied, no cover available	No cover applied, cover available	Cover applied periodically, does not control issues, not stockpiled at landfill	Cover applied periodically, does not control issues, stockpiled at landfill	Cover applied as needed to control issues, cover not stockpiled at landfill	Cover applied as needed to control issues, cover stockpiled at landfill	locally. No coves Applied.	Contin

P	ADEC COMM	unity waste wai	- Bernene Intersy	andfill Operat	ions			CONANACAITC		
#	Category	0	1	2	3	4	5	COMIVIENTS	Score	ł
	ŀ	The landfill should be grad	ed and sloped to preserve t	the stability of the landfill a	and reduce ponding and er	osion. 18 AAC 60.390, 18 /	AAC 60.243	Trash slopes almost	0	and the second se
6	Slopes & Grading	Slopes unstable and ponds at the landfill, no efforts to correct	Slopes unstable and ponds at the landfill, some efforts to correct	Minor issues with instability, ponding, or erosion, no efforts to grade landfill	Minor issues with instability, ponding, or erosion, some efforts to grade landfill	Landfill graded, no ponding, erosion, or instability evident, inadequate run-on or run-off controls	Landfill graded to ensure stability, protect from erosion, prevent run-on, & promote run-off of storm & surface water	1:1. Ponding in the landfill. No corrective Action		_
+		Dust, odor, noise, traffic, o	other effects from the land	fill, and disease vectors, inc	cluding wildlife and domest	tic animals, must be contro	lled so that the public	No cours unde	0	
7	Vector & Nuisance Control	health, safety, or welfare a Waste exposed to elements - flies, animals, humans, and vehicles track through waste	re not endangered or they or Few issues controlled, vector or health issues, and nuisance issues present	reate a nuisance. 18 AAC Some issues controlled, minor vector or health issues, and nuisance issues present	Most issues controlled, minor nuisance issues present	lssues controlled - public allowed in landfill	Issues controlled - only operator allowed in landfill	exposed. Ravens observed at the site.		
-		Litter must be controlled s	so that it does not become	a nuisance or hazard. 18 A	AC 60.233, 18 AAC 60.345	5		Liter present outside	٥	
8	Litter (in and around landfill)	Litter everywhere, no clean-up efforts	Annual litter clean-up, uncontrolled rest of the year	Litter issues, picked up intermittently throughout the year	Some litter issues inside & outside lf, litter picked up regularly	No litter issues outside If, litter picked up as needed	No litter issues inside or outside If, litter picked up as needed	the L.F. perimeter fence. Plastic bags + trash scattered in the woods		
_		The landfill must maintair	structures and componen	ts of the facility, and repair	r any structural changes or	damage to the facility. 18 A	AC 60.815	Fence in acod shape	3	
9	Maintenance & Corrective Action	Significant damage that may impact health, safety or the environment, no plan for corrective action	Significant damage that may impact health, safety or the environment, corrective action planned	Significant damage that may impact health, safety or the environment, corrective action underway	Minor damage at the facility, no plan for corrective action	Minor damage at the facility, corrective action planned	No structural damage	Gatewas damaged Burn unit in work. condition.	ıbe	
		Areas that have not receiv must be covered with 12 under a closure plan, it s	ved waste for more than 90 inches of soil and graded t hould have 24" of soil cove	days, but have not yet read o prevent ponding and ero or and be revegetated.	ched the final capacity or el sion. 18 AAC 60.243 Note,	levation, must receive an int this is not closure. If an an	ermediate cover. The area ea is closed or should be	Active cell seperate from C+D, metals+	I	and the second se
10	Inactive Areas	No distinction between active & inactive areas	Inactive area separate from working face - uncovered	Inactive areas separate from working face - partially covered	Inactive areas separate from working face - covered with less than 12"	Inactive areas separate from working face - fully covered with 12", not graded to prevent ponding or erosion	Inactive areas separate from working face - fully covered with 12", graded to prevent ponding and erosion	burnable cardboard. All waste uncouvered	Section Total	
-		<u>I</u>		decession of the second second		y			0	Γ
-									4	

ADLC COMM	idinity waste man	Lar	dfill Water Im	pacts 3	4	5	COMMENTS	Score
Category	0 Leachate means liquid that	L has passed through or eme evented, or contained and c	rged from solid waste and ontrolled. 18 AAC 60.225	contains soluble, suspen	ded, or miscible materials r	removed from the wastes.	Walked the L.F	2
Leachate	Leachate seeps present, no effort to contain or control	Leachate seeps present, some effort to contain or control	No leachate seeps observed, conditions likely to cause leachate, no effort to contain leachate	No leachate seeps observed, conditions likely to cause leachate, some effort to contain leachate	No leachate seeps observed, conditions likely to cause leachate, efforts to contain and prevent leachate	No leachate seeps observed, efforts in place to prevent leachate	Perimeter No Signs of leachate. Waste uncovered Conditions Present to generate leachate	
	A landfill must be constru- minimize contact between	cted and operated so that s storm water and waste. Po	easonal flooding is tempo nded water must be remov	rary in duration. Waste ma red within 30 days. 18 AAC	ay not be placed in surface C 60.225	water. The landfill must	LANSFill has been known to flood dorin	I
Surface & Storm Water Controls	Waste disposed into water body	Waste in contact with water regularly, no surface and storm water controls	Waste in contact with water, some surface and storm water controls, not effective	Some waste in contact with water, surface and storm water controls, ponding not removed within 30 days	Evidence of waste in water or ponding at the landfill, surface and storm water controls, ponding removed within 30 days	No evidence of waste in water or ponding at the landfill, berms, ditches and other controls are in place and are effective	high water events. No storm or surface water controls.	
Impact to	If the landfill is located or operator must take correct the waterands 18 AAC 60	permafrost, it must be des ctive action. 18 AAC 60.227	igned and operated so that If the landfill is located in	the permafrost remains fr or near a wetland, it may n	ozen. If the landfill settles a ot cause or contribute to si	and water is pooling, the ignificant degradation of	No clear impacts	4
Permafrost o Wetlands (onl 3 for facilities built on permafrost o wetlands)	r Y Permafrost appears to be melting around landfill; or wetland plants around landfill are clearly impacted - no corrective action plan	Permafrost or wetlands impacted - corrective action plan under development	Permafrost or wetlands impacted - corrective action underway but no evidence of improvement	Permafrost or wetlands impacted - corrective action in place has shown improvement	No clear impacts to permafrost or wetlands, but some indicators (small ponds, leachate, etc.) present	No indicators or impact to permafrost or wetlands are evident	Ponding in the site.	
	If groundwater or surfac section is scored as "No	e water monitoring is require t Applicable" if the landfill is	ed the facility must follow a not required by ADEC to d	Il regulations under 18 AA o any water monitoring.	C 60.820 and 18 AAC 60.81	10 respectively. Note: This	LANdfill monitoring	n/A
Water 4 Monitoring (if required	Landfill is not monitorin any of the required locations as required b Monitoring Plan. No reports submitted	Landfill is not monitoring all required locations and/or following schedule. Locations are not identified correctly, or well not in good condition	Landfill is not monitoring all of the required locations and/or following schedule. Locations are identified correctly, or well is in good condition	All monitoring locations are sampled as required by the Monitoring Plan, monitoring reports are not submitted	All monitoring locations are sampled as required by the Monitoring Plan. Incomplete monitoring reports are submitted	All monitoring locations are sampled as required by the Monitoring Plan. Complete monitoring reports are submitted on time	not required .	Section Total
			-					

	DEC COmm	unity waste man	Speci	al Waste Man	agement				
	Cotosonu	0	1	2	3	4	5	COMMENTS	Score
T	Septage	The landfill may accept sep overflow. Hydrated lime mu	tage or honey bucket waste ust added to a pH of 12(30	if it is deposited into sepa min.) on a regular basis. 10	rate trenches, less than 4' 8 AAC 60.365	in depth, and the trench is	s maintained not to	Honey buckets	NK
	Honeybucket Waste	Septage co-mingled with MSW	Septage disposed in separate area of landfill	Septage in separate trench no lime added	Septage in properly constructed trench, lime added infrequently	constructed trench, lime added on a regular basis	constructed trench, lime added and pH tested	seperate lagoon.	
t		Animal carcasses must be	disposed in a manner that c	loes not cause an animal a	ttraction and protects the	public health. 18 AAC 60.0	010	Evidence of dogs	0
2	Animal Carcasses including Subsistence Waste	Animal carcasses co- mingled with MSW	Animal carcasses are disposed of in a separate area from MSW, no cover or lime added	Animal carcasses burned in the burn unit along with municipal waste	Animal carcasses in separate area, periodic lime added OR periodic cover added - does not control issues	Animal carcasses in separate area, lime AND sufficient cover added to control issues	Animal carcasses incinerated or disposed in separate area, lime added, and sufficient cover applied after each disposal	+ subsistene waste mixed with household waste.	
		Separating HHW, such as landfill and reduce risks to	chemicals, e-waste, batterie b human health and the env	s, and fluorescent bulbs, o ironment. HHW can be reu	ut of the waste disposed a used within the communit	at the landfill will help keep y or shipped out for proper	chemicals out of the disposal.	Afew tus + compute	33
Household 3 Hazardous Waste (HHW	Household Hazardous Waste (HHW)	No HHW separation	No HHW separation, regularly covered	HHW collection program available, accessible, but not well used	HHW collection program available, accessible, most HHW diverted from landfill	Clear options for HHW reuse or collection program, well run, most HHW diverted from landfill	Clear options for HHW reuse or collection program, well run, most HHW diverted from landfill, shipped out as needed	observed in the site. Most collected by the IGAP program for backhaol	
		Liquid waste, including kir AAC 60.360	tchen grease, may not be di	sposed at the landfill, with	the exception of small qua	antities (1 gallon or less) of	containerized waste. 18	No evidence of	1
4	Liquid Waste	Non-household liquids over 1 gallon containers disposed in landfill	Free liquids not prohibited, but limited to less than 1 gallon container	Free liquids prohibited at landfill, alternatives not well identified	Free liquids prohibited at landfill, alternatives identified, not well used	Free liquids prohibited at landfill, alternatives identified, generally used	Free liquids prohibited and enforced, alternatives identified, and widely used	liquid waste. No signs prohibiting liquid 5.	
		C&D is regulated based o hazardous & asbestos w hours without compactio	n local laws and ordinances aste are removed prior to di on to prevent the release of	. However, all construction sposal. Non-RACM waster asbestos fibers. 18 AAC 60	/demolition projects shou nust be handled so that it).450	Id submit a building survey does not become friable and	to ensure that all d be covered within 24	Small pile of material from	3
5	Construction & Demolition Debris (C&D) non-RACM	No controls for C&D, indiscriminately disposed, no requirements for identifying or managing non-RACM	C&D disposed at working face, no awareness or management of non- RACM	C&D disposed at working face or separate cell, awareness of non-RACM not covering	C&D disposed at working face or in separate cell, not well managed - large pile. Aware of non-RACM, usually covered in 24 hrs	C&D well managed, limited compaction. Contractors required to identify non-RACM - not allowed or properly managed and covered in 24 hrs	C&D well managed and compacted regularly - small face. Contractors required to identify non- RACM - not allowed or properly managed & covered at the end of day	house demo. Nusigns posted for Asbestos.	Continu

7/ 35%

IP Category 0 1 2 3 4 5 COMMENTS Score 6 Salvage Area Public salvaging if allowst, must be limited to an area that does not hinder facility operation, cracke a safety heard, or cause pollution. 18 AXE 60:220 Household: wustele	Choice ov 0 1 2 4 5 Colligion Sport Bubble salvaging if allowed, must be limited to an area that does not hinder facility operation, create a safery hazed, or crease patients. 18 AAC 60220 Households. 18 AAC 60220 Households. 18 AAC 60220 6 Salvage area allowed at working face allowed at a working face allowed at working face allowed a				Spec	ial Waste Man	agement			COMMENTS		
6 Salvage Area Uscontrolled salvaging, if allowed, must be limited to an area that does not hinder facility operation, create a safety hand, or cause pollution. 18 AAC 60.201 Household washed mixed with salvage and wetro operation and parent organization or management. Salvage area has defined boctain or different contained lined solval are contained operated safety posted Salvage area has defined boctain or different contained lined solval are contained operated safety posted Salvage area has defined boctain and galvage. Salvage area has defined boctain and galvage. Salvage area has defined boctain and galvage. Salvage area has and posted Salvage area has boctain and galvage. Household washe mixed with salvage. Household washe mixed with salvage. 7 Used Oil used Oil not managed disposed at the isoffil with help keep perclosum products cut of the landfil with help keep perclosum products cut of the landfil and the environment, and can be roused as an onot stored safety, burned without energy recovery without energy recovery without energy recovery shipped out safety stored in thouse and posted at the landfil with help keep perclosum products cut of the landfil with help safety stored in thouse and posted at the landfil with help keep entroleum shipped out shipped out ship	Public subaging if allowed, must be limited to an area that doe not hinder faility operation, create a safety haard, or cause pollution. If AK 66.220. Housshold worske 6 Salvage Area Uncontrolled slogging if vorting fac only wire operator present allowed at working fac only wire operator present Separates salvage area, no operator salvage area, no disposed at the lendfill will help keep percision part of salvage area, no operator salvage area, no disposed at the lendfill will help keep percision part of salvage area, no operator salvage area, no salvage area area area area prevent calvage area, no salvage area area area area prevent calvage area, no salvage area area area area prevent calvage area area area area area area prevent calvage area area area area area area area are	#	Category	0	1	2	3	4	5	CONTINIENTS	Score	
7 Used OII Separating used oil out of the waste disposal at the landfill will help keep petroleum products out of the landfill and the environment, and can be reused as an energy recovery disposed or the family indicated and safely stored. Burned for energy recovery in a PDA shipped out a shipped out and safe energy recovery in a PDA shipped out and safe energy recovery in a PDA shipped out and safe energy recovery in a PDA shipped out and safe energy recovery in a PDA shipped out and safe energy recovery in a PDA shipped out and the environment. Used oil collected, stored is allely, some without energy recovery in a PDA shipped out and safe energy recovery in a PDA shipped out and the environment for energy recovery in a PDA shipped out and the environment is parate area of fluids. 18 AAC 60.025 is AAC 60.020 Used oil collected and safe energy recovery in a PDA shipped out and the environment is parate area of fluids. 18 AAC 60.0210 Used oil collected and safe energy recovery in a PDA shipped out and the environment is parate area of fluids. 18 AAC 60.0210 Used oil collected and safe energy recovery in a PDA shipped out and the environment is parate area of fluids. 18 AAC 60.0210 Used oil collected and safe energy recovery in a PDA shipped out and the environment is parate area of fluids. 18 AAC 60.0210 Use oil collected and safe energy recovery in a PDA shipped out and the environment is removed. If undraline vehicles areas of inadifili, sparate area of fluids. 18 AAC 60.0210 Use oil collected and safe energy recovery in a PDA shipped out and the environment is environment in the short fluids or batteries and fluids environment is removed. No containment for the taks. Plans for the posal or recycling in environment is environment. All batteries and fluids is environment if collected and store the short fluids or batteries in envico	7 Used Oil Separating used of out of the waste disposed at the landfill will help keep perceleum products out of the landfill and the environment, and can be reused as an energy macure for the community. Used Oil Used Oil on the waste disposed at the landfill will help keep perceleum products out of the landfill and the environment, and can be reused as an energy macure for the community. Used Oil on the waste disposed at the landfill will help keep perceleum products out of the landfill and the environment, and can be reused as an outstored safely, no plan for disposed or the landfill unless all fluids and batteries have been removed. If undrained whicks are stored at the landfill for late disposed or recycling, they must be managed to prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 Used Oil collected, and prevent release of fluids. Is BAC 60.030 <th># 6 7 8 9 10</th> <th>Salvage Area</th> <th>Public salvaging, if allowed Uncontrolled salvaging allowed at working face</th> <th>d, must be limited to an are Salvaging at working face only when operator present</th> <th>a that does not hinder facil Separate salvage area, no apparent organization or management</th> <th>ity operation, create a safet Separate salvage area, some organization or management.</th> <th>salvage area has defined locations for different items, fluids are drained or contained (liner), operated safely</th> <th>Salvage area managed well (see 4), items removed for disposal or backhaul regularly - signs posted</th> <th colspan="2">Household waste mixed with salvage material. some suparation</th> <th>Termina and the second s</th>	# 6 7 8 9 10	Salvage Area	Public salvaging, if allowed Uncontrolled salvaging allowed at working face	d, must be limited to an are Salvaging at working face only when operator present	a that does not hinder facil Separate salvage area, no apparent organization or management	ity operation, create a safet Separate salvage area, some organization or management.	salvage area has defined locations for different items, fluids are drained or contained (liner), operated safely	Salvage area managed well (see 4), items removed for disposal or backhaul regularly - signs posted	Household waste mixed with salvage material. some suparation		Termina and the second s
7 Used Oil Some used oil collected, nored safely, Durned disposed at the landfill or disposal or disposed at the landfill unless all fluids and batteries have been removed. If undrained vehicles are stored at the landfill or disposal or recycling, and removed from applance are of landfill, some fluids or batteries removed. If undrained vehicles are stored at the landfill or disposal or recycling. Note item and the landfill or disposal or the community. If used oil collected, stored affek, burned without energy recovery and the landfill or disposal or recycling. The managed to prevent release of fluids. Is AAC 60.035. If B AAC 60.010 If used oil collected, stored affek, burned without energy recovery and the landfill or later disposal or recycling. The moved from applance area of landfill, some fluids or batteries reave of and fluid, some fluids or batteries reave of landfill, some fluids or batteries reaved. Row containment for leaks. Plans for disposal or recycling. Plans for disposal or recycling. The environment. Operator verifies ALL if the landfill fluids. Some uses oil collected, stored landfill, some fluids or batteries reaved landfill, some fluids or batteries reaved. Containment for leaks. Plans for disposal or recycling waste, cFCs intentionally beckneted to the environment. Vehicles stored in collected, stored landfill, some fluids or batteries reaved landfill, some fluids or batteries reaved land recycling waste, no CFCs removed from applances by acettified technicin with certified equipment prior to disposal or recycling waste, no CFCs removed from applances by acettified technicin or marking waste, no CFCs removed and no plan or CFCs removed but no disposal or recycling waste, no CFCs removed and no plan or CFCs removed but no disposal or recycling waste, no CFCs removed and no plan or CFCs removed and no plan or covered waste, no CFCs removed and no plan orecycli	7 Used Oil Used Oil of managed of the landfill of			Separating used oil out of	the waste disposed at the	landfill will help keep petro	leum products out of the la	andfill and the environmen	t, and can be reused as an	was all allertas	L	1
8 Vehicles may not be disposed at the landfill units all fluids and batteries have been removed. If undrained vehicles are stored at the landfill for later disposal or recycling, they must be managed to prevent release of fluids. 18 AAC 60.035, 18 AAC 60.010 Vehicles are stored at the landfill for later disposal or recycling, they must be managed to prevent release of fluids. 18 AAC 60.010 Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling recycling recycling recycling Vehicles stored in some fluids or batteries removed from appliances by a certified technician with certified equipment prior to disposal at any landfill. No CFCs may landfill. No CFCs may landfill. No CFCs may landfill in disposal or recycling wate, no CFCs removed find and no fluids or plan marking wate, no CFCs removed find and fluid wate, no CFCs removed and no plan Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Polibing disposal or recycling test. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Starter Some units segregated, no CFCs removed by certified tech. Rest. Stare Some units segregated, no ce	8 Vehicles may not be disposed at the landfill unless all fluids and batteries have been removed. If undrained vehicles are stored at the landfill for later disposal or recycling, they must be managed to prevent release of fluids. 18 AAC 60.035. 18 AC 60.010 Vehicles stored in separate area of landfill, some fluids containeent for lease. The moved. No containeent for lease. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling is posal or recycling. No plans for disposal or recycling is posal or recycling. No plans for disposal or recycling is posal or r	7	Used Oil	energy resource for the co Used oil not managed - disposed at the landfill	Some used oil collected, not stored safely, no plan for disposal or energy recovery	Some used oil collected, not stored safely, burned without energy recovery	Used oil collected, stored safely. Burned without energy recovery	Used oil collected and safely stored. Burned for energy recovery or shipped out	Enforcement of used oil collection and safe storage. Burned for energy recovery in an EPA approved unit or shipped out	And shipped out Periodically	1	1
8 Vehicles Uncontrolled disposal- vehicles disposal in landfill, fluids & batteries not removed. No containment for leaks. not removed. No containment for leaks. not removed. No containment for leaks. not removed. No containment for leaks. not removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some luits segregated, some units segregated, some units segregated, some units segregated, no CFCs removed plan Ill batteries and fluids removed prior to proper disposal or recycling Af L.F. Not Known from Vehices All batteries and fluids proved prior to proper disposal or recycling 9 Freezers & Refrigerators CFCs Chlorofluorocarbon (CFCs) must be removed from appliances by a certified technica with certified equipment prior to disposal at any landfill. No CFCs may waste, no CFCs removed environment Milts segregated, CFCs some certified tech & documentation or marking Units segregated, CFCs some christ segregated, properly disposed or recycled No fle cad dob technics documented, pr	8 Vehicles Uncontrolled disposal Vehicles disposal inandfill, fuldis & batteries in termoved. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fuldis or batteries iremoved. No containment for leaks. No plans for disposal or recycling Vehicles stored in separate area of landfill, some fuldis or batteries iremoved. No containment for leaks. No plans for disposal or recycling All batteries and fluids iremoved. No containment for leaks. No plans for disposal or recycling Operator verifies ALL batteries and fluids iremoved. No containment for leaks. No plans for disposal or recycling All batteries and fluids iremoved. No containment for leaks. No plans for disposal or recycling Operator verifies ALL batteries and fluids iremoved. No containment for leaks. No plans for disposal or recycling All L.F. Not Known if FluidoS/batterics removed. No containment for leaks. No plans for disposal or recycling 9 Freezers & Refrigerators CFCs Chlorofluorocarbon (CFCs) must be removed from appliances by a certified technician with certified equipment prior to disposal at any landfill. No CFCs may be vented to the environment. Some units segregated, no CFCs removed but marking X Units segregated, CFCs bore units segregated, CFCs disposal or recycled Units segregated, CFCs documented, properly disposed or with general waste, CFCs intentionally waste, OFCs intentionally cortified tech & documented, properly disposed or recycled Units segregated, properly sto			Vehicles may not be dispo or recycling, they must be	osed at the landfill unless a managed to prevent releas	ll fluids and batteries have e of fluids. 18 AAC 60.035,	been removed. If undrained 18 AAC 60.010	vehicles are stored at the	landfill for later disposal	Uchicles strogd	Score 2 3 5 5 Section Total 0 15	
9 Freezers & Refrigerators CFCs Chlorofiluorocarbon (CFCs) must be removed from appliances by a certified technician with certified equipment prior to disposal at any landfill. No CFCs may be vented to the environment. 40 CFR 81.154-162 Refrigerators Disposed of with general waste, CFCs intentionally vented to the environment. Disposed of with general waste, OFCs removed and no CFCs removed and no CFCs removed and no CFCs removed and no comment. Some units segregated, no CFCs removed but no documentation or marking X Units segregated, cFCs documented, properly disposed or recycled Polled to manage CFCs from AUCP Polled to manage CFCs from AUCP 10 Lead Acid Batteries Some lead acid batteries from the landfill will reduce the risks of environment. Most lead acid batteries segregated but poorly stored and stored to prevent any release to the environment. Most lead acid batteries segregated but poorly stored and stored to prevent and friend stored to prevent and friend stored to prevent and friend friend friend stored to prevent and friend stored to prevent stored to prevent stored stored to prevent and friend stored to prevent stored and stored to prevent and regulary stored, and regulary shipped out X All lead acid batteries stored in a lined, covered Batteries stored, and regulary shipped out X Section Tota	Prezers & Chlorofluorocarbon (CFCs) must be removed from appliances by a certified technician with certified equipment prior to disposal at any landfill. No CFCs may be vented to the environment. 40 CFR 81.154-162 Refrigerators Disposed of with general waste, CFCs intentionally vented to the environment. Disposed of with general waste, no CFCs removed in CFCs removed and no plan Some units segregated, no documentation or marking X Units segregated, CFCs intentionally isposed of with general environment. Some units segregated, no documentation or marking X Units segregated, cFCs intentionally isposed of with general environment. Some units segregated, no documentation or marking X Units segregated, cFCs intentionally isposed of with general environment. Some units segregated, no documentation or marking X Units segregated, cFCs intentionally isposed of with general environment. Some units segregated, no documentation or marking X Units segregated, cFCs isposed or recycled Units segregated, cFCs isposed or recycled Units segregated, cFCs isposed or recycled Free marking Y Polled to manage CFCs is documentation or marking Y Polled to manage CFCs is isposed or recycled Free marking Y Polled to manage CFCs is isposed or recycled Free marking Y Polled to manage CFCs is isposed or recycled Free marking Y Polled to manage CFCs is isposed or recycled isposed or recycled Free marking Y Polled to manage Y Free marking Y <	8	Vehicles	Uncontrolled disposal - Vehicles disposed in landfill, fluids & batteries not removed	osal - d in teries Vehicles stored in separate area of landfill, no fluids or batteries removed. No containment for leaks. No plans for disposal or recycling	Vehicles stored in separate area of landfill, some fluids or batteries removed. No containment for leaks. Plans for disposal or recycling	Vehicles stored in separate area of landfill, some fluids or batteries removed. Containment for leaks. Plans for disposal or recycling	All batteries and fluids removed prior to proper disposal or recycling	Operator verifies ALL batteries and fluids removed prior to proper disposal or recycling	At L.F. Not known if fluids/batteries remousd.		
9 Freezers & Refrigerators CFCs Disposed of with general waste, CFCs intentionally vented to the environment Disposed of with general waste, no CFCs removed and no plan Some units segregated, plan Units segregated, some CFCs removed but no documentation or marking Units segregated, CFCs poradically removed by certified tech & documented, properly disposed or recycled Units segregated, ALL CFCs regularly removed by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Free Zers Scc A Sconally Pulled to manage CFCs by certified tech & documented, properly disposed or recycled Manage CFCs Bafteries Stage A Stage A + Segregated but	9 Freezers & Refrigerators Disposed of with general waste, CFCs intentionally vented to the environment Disposed of with general waste, no CFCs removed environment Disposed of with general waste, no CFCs removed plan Some units segregated, no CFCs removed and no plan Units segregated, some units segregated, no documentation or marking Units segregated, CFCs sporadically removed by certified tech & documented, properly disposed or recycled Units segregated, ALL CFCs regularly removed by certified tech & documented, properly disposed or recycled Frece zers occAsionally Pulled to manage CFCs From AUCP 10 Lead Acid Batteries Prohibiting disposal of lead acid batteries disposed in landfill Some lead acid batteries segregated but poorly stored a landfill Most lead acid batteries segregated but poorly stored Most lead acid batteries segregated and stored to prevent leaks, but not covered All lead acid batteries segregated, properly stored, and regularly shipped out X All lead acid batteries segregated, properly stored, and regularly shipped out X Section Total			Chlorofluorocarbon (CFCs be vented to the environn	s) must be removed from a nent. 40 CFR 81.154-162	ppliances by a certified tecl	hnician with certified equip	ment prior to disposal at a	ny landfill. No CFCs may	Refridgerators/	3	
10 Lead Acid Batteries Prohibiting disposal of lead acid batteries from the landfill will reduce the risks of environmental contamination. Batteries should be stored in a lined, covered Batteries Batteries Batteries Batteries Some lead acid batteries segregated but poorly stored at landfill Most lead acid batteries segregated but poorly stored Most lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored, and regularly shipped out X Batteries Some lead acid batteries segregated but poorly stored Most lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored, and regularly shipped out X Batteries Section Total	10 Lead Acid Batteries Prohibiting disposal of lead acid batteries from the landfill will reduce the risks of environmental contamination. Batteries should be stored in a lined, covered Batteries Batteries Batteries Batteries Some lead acid batteries segregated but poorly stored at landfill Most lead acid batteries segregated but poorly stored Most lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored All lead acid batteries segregated, properly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored All lead acid batteries segregated, properly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but poorly stored All lead acid batteries segregated out x Some lead acid batteries segregated but poorly stored Some lead acid batteries segregated but	9	Freezers & Refrigerators CFCs	Disposed of with general waste, CFCs intentionally vented to the environment	Disposed of with general waste, no CFCs removed	Some units segregated, no CFCs removed and no plan	Some units segregated, some CFCs removed but no documentation or marking	Units segregated, CFCs sporadically removed by certified tech & documented, properly disposed or recycled	Units segregated, ALL CFCs regularly removed by certified tech & documented, properly disposed or recycled	Freezers accasionally Pulled to manage CFC's Freen machine biorrowe From AUCP	2	
Lead Acid Lead acid batteries Some lead acid batteries Most lead acid batteries All lead acid batteries All lead acid batteries Segregated, properly 10 Batteries Lead acid batteries Some lead acid batteries Most lead acid batteries All lead acid batteries Segregated, properly Segregated, properly Stored Section 10 Batteries Lead acid batteries Segregated but poorly Stored Stored Segregated, properly Stored, and regularly Stored, and regularly Stored Section Total	10 Lead Acid Batteries Lead acid batteries disposed in landfill Some lead acid batteries segregated but poorly stored at landfill Most lead acid batteries segregated but poorly stored Most lead acid batteries segregated but poorly prevent leaks, but not covered All lead acid batteries segregated, properly stored, and regularly shipped out X I could regularly stored I could regularly stored			Prohibiting disposal of lea container or area, and man	ad acid batteries from the la naged to prevent any releas	andfill will reduce the risks of the the risks of the environment.	of environmental contamin	ation. Batteries should be	stored in a lined, covered	Batteries staged +	5	
	0	10	Lead Acid Batteries	Lead acid batteries disposed in landfill	Some lead acid batteries segregated but poorly stored at landfill	Most lead acid batteries segregated but poorly stored	Most lead acid batteries segregated and stored to prevent leaks, but not covered	All lead acid batteries segregated, properly stored	All lead acid batteries segregated, properly stored, and regularly shipped out	regularly shipped out.	Section Total	

#	Category	0	1	Administrati 2	on 3	4	5	COMMENTS	Score	
		A landfill is required to ha		5						
1	Permit	No effort to permit the landfill at any time	Permit expired, no effort to renew	Permit expired more than 1 year ago, some effort to renew	Permit expired less than 1 year ago OR current efforts to renew or obtain new permit	Permit is current but no documentation in landfill files	Landfill has current permit, permit & application in landfill files			
		Visual monitoring must b 60.800	é performed at least month	ly and recorded on a form a	approved by ADEC. Record	is must be maintained for a	Teast 5 years. 18 AAC		1	
2	Monthly Visual Monitoring	No visual monitoring	Visual monitoring reported, but no written record	Visual monitoring reported, but incomplete records	Visual monitoring recorded at least 4 times a year placed in landfill files	Monthly visual monitoring recorded in landfill files	Monthly visual monitoring recorded on appropriate form, in landfill files, and maintained for 5 years			
		The operations plan shou AAC 60.210, 18 AAC 60.2	ld be used as a guide for da 35	ay to day operation and sea	sonal issues at the landfill	. A copy must be kept in the	e operating record. 18		2	
3	Operations Plan	No operations plan	Operations plan incomplete for day-to- day operations	Operations plan covers general landfill operations, not used for day-to-day operations	Operations plan covers general landfill operations, is partially used for day-to-day operations, and is accessible	Operations plan covers current landfill operations, used for day- to-day operations, and is accessible	Operations plan covers current landfill operations, used for day- to-day operations, is accessible, reviewed annually and updated as needed			_
		Waste may not be placed landfill may not pose a bi	within 50' of property bou rd hazard to aircraft. 18 AA	ndary, 500' of a drinking v C 60.233, 18 AAC 60.217, :	vater source, or 10' ft. of 18 AAC 60.040, 18 AAC 60	groundwater (unless built o).305	on a 2' pad) and the		5	
4	Facility Location	Landfill design does not comply with any location criteria	Landfill design complies with 1 location criteria	Landfill design complies with 2 location criteria	Landfill design complies with 3 location criteria	Landfill design complies with all 4 location criteria	Landfill design complies with all 4 location criteria and is documented		Section Total	
			Annount in a la fait provinsi provinsi provinsi da anno provinsi da anno 1999. Anno 1999 - Anno						0	
									13	6

	Category	0	Waste Mana	gement Improv	vement Progra 3	ms 4	5	COMMENTS	Bonus Score
		Items that are prohibited staged and removed from	in the landfill must be reuse the community at least and	ed or removed from the cor nually. This section does n	nmunity for recycling or pr ot apply to previously add	oper disposal. Material to b ressed wastes from the Sp	pe removed should be becial Waste section.	Active participants	3
	Backhaul Program	No effort to backhaul or recycle	Collection of limited materials, minimal effort to divert from landfill, poorly managed storage	Backhaul of limited materials, effort to divert from landfill and managed segregation	Backhaul of materials and recyclables, well managed storage, not staged	Backhaul of materials and recyclables, well managed storage, staged more than 1 year	Backhaul of materials and recyclables, required diversion, well managed storage, staged less than 1 year	regional backhaul Program.	
		A properly managed collect	ction program is one of thre	ee elements for a successfu	l landfill. RALO			Trash houler	4
	Collection Program	No collection/self haul	Self haul, collect elders trash	75% self haul, 25% collection	50% self haul, 50% collection	25% self haul, 75% collection	> 75% collection	collects several times a week.	
		Fee collection for waste d	isposal will provide a fund t	o pay for operations and r	naintenance of the landfill.			\$10 Amonth For	0
	Fees	No collection of fees	<10% collection rate	10% - 25% collection rate	25% - 50% collection rate	50% - 90% collection rate	>90% collection rate	trash haul. No LF fees.	
		A rural landfill operator sh	No IAND Fill	0					
	Landfill Operator Training	No landfill operator training	Operator or administrator scheduled for RALO or equivalent training	Landfill operator or administrator have RALO(eq), recognition of hazardous waste, or backhaul training	Landfill operator & administrator have RALO(eq), recognition of hazardous waste, or backhaul training	Landfill operator or administrator have RALO(eq), recognition of hazardous waste, & backhaul training	Landfill operator & administrator have RALO(eq), recognition of hazardous waste, & backhaul training	operator	
		Involving the community accomplished through an	Posters observed	1					
(E	Community Education & Outreach	No community education/outreach program for solid waste or recycling issues	Posters related to solid waste and/or recycling in office	Solid waste or recycling posters around town, occasional public announcement	Solid waste or recycling posters around town and school, regular public announcement	Solid waste or recycling posters around town and school, regular public announcement via multiple sources of information (social	Community education program in place and effects visible in community	bugo mall.	Bonus Tota
		or recycling issues	office	×	announcement	announcement public announcement	Announcement public announcement information (social media)	announcement public announcement information (social media)	announcement public announcement information (social media) community



68 points 160 possible points 18 bonus points 76/160 - 48%