Survey Results: Disposal and Recovery of Animal Mortality and Byproducts in Oregon

In June 2001, Oregon Department of Environmental Quality (DEQ), Solid Waste Program, surveyed all the municipal solid waste landfills in Oregon and the rendering companies we could locate in Oregon to obtain information on the recovery and disposal of dead animals and animal byproducts. The survey was designed to help businesses that generate these products find resources for their recovery or disposal. This information is needed now because some rendering companies serving Oregon have closed or raised their prices recently, limiting the options for disposal of dead animals and animal byproducts.

Data from the survey is contained in tables 1 and 2 below, followed by the questions asked in the survey. DEQ staff mailed the survey to landfill operators and did a phone survey of rendering companies. At the end of this report is the name, address, and phone number of the landfills and companies listed in the tables.

Table headings are abbreviations for the following:

Large? = Do you accept large animals (such as horses, cows, llamas, elk) for recovery or disposal?

Small? = Do you accept small animals (domestic and small farm animals) for recovery or disposal?

Limit? = Do you have a weight or volume limit on the amount of dead animals you accept?

How much? = How much is the limit on the amount of dead animals you accept?

Extra \$\$? = How much is the extra fee for the recovery or disposal of dead animals?

Byprod MPB = Do you accept meat processing byproducts?

Byprod ROG = Do you accept restaurant grease & oils?

Byprod Dairy = Do you accept dairy products?

Byprod Other = Do you accept other animal byproducts? If so, what kinds?

Refer to: = If you do not accept dead animals and animal byproducts, to whom do you refer generators of these wastes?

Amount handled = An estimate of how much animal waste is handled by the landfill or company.

Survey Results

Oregon has 33 landfills that accept municipal solid waste. Nine of them said they accept large dead animals, some reluctantly, and many have limits, restrictions, or special conditions (see the footnotes for the "Landfills" table). Nineteen landfills said they accept small dead animals. Again, some have limits, restrictions, or special conditions. Ten landfills accept at least one of the four types of animal byproducts listed in the survey. Short Mountain and Dry Creek landfills are the only landfills west of the Cascades that accept large dead animals.

We surveyed 17 rendering companies by phone. Nine companies said they accept or pick up large dead animals, and 13 said they accept at least one of the four types of animal byproducts listed in the survey. These companies service most areas of the state, although many of them transport dead animals for processing at a few rendering companies in Oregon, Washington, or Idaho. Three companies did not reply to the survey.

Disposal of dead livestock on farms includes options not listed in this summary. Contact your local OSU Extension Service or the Oregon Department of Agriculture for more information.

Our survey shows that resources are available in Oregon for disposal or recovery of dead animals and animal byproducts. However, the prices, volumes accepted, availability of pick-up service, and location of the resources may not meet all the current needs for disposal or recovery options for dead animals in Oregon.

¹ Rendering is the process of reducing, converting, or melting down fat by heating to produce products that can be used in foods or to make soap, candles, or lubricants.

Table 1 – Landfills in Oregon²

Landfill Name	Large	Small	Limit	How	Extra \$\$?	Byprod	Byprod	Byprod	Byprod	Refer to:	Amount
	?	?	?	much?		MPB	ROG	Dairy	Other		handled/yr
Ant Flat	Yes ³	Yes	No			No	No	No	No		25 deer,
											elk/year
Baker Sanitary	Yes	Yes	No		\$125 ⁴	Yes	No ⁵	Yes ⁶			1 horse
											equiv./mo
Beaver Hill	No	No				No	No	No	No		
Burns/Hines	No	Yes				No	No	No		Redmond Tallow	
Chemult	No	Yes	No	\$8/cu yd		No	No	No	No	Knott Landfill	Unknown
Coffin Butte	No	Yes	No	\$30/ton	No	No	Yes ⁷	No			2 tons
Columbia Ridge	Yes	Yes	No	\$25/ton ⁸		Yes	Yes ⁹	Yes			None in 2000
Crook County	Yes	Yes	No		\$5/dogs, lg	No	No	No			360 small, 10
					animal;						large animals
					\$2.50/cats						
Diamond	No	No	No			No	No	No	No		0
Drewsey	No	No				no					
Dry Creek ¹⁰	Yes	Yes	Yes	2-3	\$50; \$70	Yes	No ¹¹	Yes ¹²			100 tons
				animals	for lg						
					animals						
ERF – Brooks	No	Yes	35 lbs		varies ¹³	Yes	Yes	Yes			
Fields	No	No				No					
Finley Buttes	Yes ¹⁴	Yes	No	Ву		Yes ¹⁵	Yes ¹¹	Yes ¹¹			Varies;about
				county							30 tons in 2000

² Most subtitle D landfills, even ones that say they can't take large dead animals, can usually call DEQ and get a one time disposal exemption, if necessary.

³ Accepts only road-killed deer & elk.

⁴ \$125 for pickup of horse or cow; \$35/ton at the landfill.

⁵ Restaurant oil & grease handled by Idaho Animal Products, Inc.

⁶ Grocery store dumpsters.

⁷ Accepts restaurant oil and grease if profiled and approved.

⁸ Fee starts at \$25/ton, depending on the situation; there may be no additional fee.

⁹ No free liquids.

¹⁰ We hate dead animals and would prefer not to accept them. We may not accept them in the future. Animal byproducts are nuisances and difficult to handle. We don't know who will accept products we can't take. We advise people to bury the animals on their property.

Cannot accept it – too much liquid.

Only if it is not liquid.

¹³ Fees are set at time of disposal. Contact Justin Davis at 973-882-7229 for information on fees.

Special waste applications need to be completed & approved before dumping.

15 Accepts animal byproducts, restaurant oil & grease, & dairy products as special waste that requires a permit.

Table 1 – Landfills in Oregon

Landfill Name	Large	Small	Limit	How	Extra \$\$?	Byprod	Byprod	Byprod	Byprod	Refer to:	Amount
	?	?	?	much?		MPB	ROG	Dairy	Other		handled/yr
Fox Hill	Yes ¹⁶	Yes	Yes	< 1	\$100/min,	No^{17}	No	No	No	On-site burial.	8 carcasses
				truckload	\$3.50/cu					Small domestic	(must prove
				discour-	yd					animals incinerated	nowhere else
				aged						at Humane Society.	to go)
Frenchglen	No	No				No					
Haines	No	No				No	No	No			0
Hillsboro	No	No				No	No	No		Riverbend LF	
Humbert/Rahns	No	No				No	No	No	No	Walla Walla LF	0
Klamath Falls	No	Yes	No		\$1.25/ 100 lbs	Yes	Yes	Yes	Yes	Dry Creek Landfill	Unknown
Knott	No	Yes ¹⁸				No	No	No		Redmond Tallow	< 1 ton
Lake County	No	Yes ¹⁹				No	No	No	No		0
Lakeside Recl.	No	No				No	No	No	No		
Lytle Blvd.	No	Yes	Yes	50 lbs.	\$10/animal	No	No	No	No	Payette, ID, Reg. LF; Darling, Boise	0
Milton-Freewtr ²⁰	No	No									
Ontario San.	No	Yes	No			No	No	No	No	Payette, ID, Clay Peak Landfill	
Prairie City	No	No				No	No	No	No		0
Riley	No	No				No					
Riverbend	No	Yes ²¹	2	by cu yd		Yes	Yes ²²	Yes			< 1 ton
Roseburg		Yes ²³				No	No	No	No		0
Short Mountain	Yes	Yes	None		\$45/ton, \$7 min.	No	Yes	Yes ²⁴	Yes ¹²		<10 tons
Sod House	No	No				No					
Wasco County	Yes ²⁵	Yes	No		By county	Yes	Yes	Yes			varies

Darling no longer picks up whole animals in the Grand Ronde Valley (Union County).

Darling picks up animal byproducts, restaurant oil & grease, & dairy products.

We only accept dead animals on an incidental basis. Anybody with a significant number is referred to Redmond Tallow, the local rendering operation.

Small amount only (police & vet).

Milton-Freewater Landfill is closed to the public.

Including small agricultural animals.

Restaurant oil and grease and dairy products must be solidified (no liquids).

Accepts road-killed deer and up to 4 sheep from a farmer if they die giving birth at lambing season.

Special waste permit required; dairy products can't be liquid.

²⁵ Special waste permits need to be completed & approved before dumping.

Table 2 – Rendering Companies

Company Name	Large ?	Small ?	Limit ?	How much?	Extra \$\$?	Byprod MPB	Byprod ROG	Byprod Dairy	Byprod Other	Refer to:	Amount handled/yr
Aall Pump Sanitation Services	No	No				No	Yes ²⁶	No	No		
ABCO Sanitation Services	No	No				No	Yes	No	Yes ²⁷		
Baker Commodities (Portland; includes Area Recyclers)	Yes	Yes	No		\$100/horse , \$65/dead stock, cattle; no pick-up	Yes	Yes	Yes	Yes ²⁸	Denley Rendering Co. (Sherwood), Interstate Rendering (Vanc.)	24 million lbs.
Clearwater Co-op	No	No				No	Yes ²⁹	No	No ³⁰	Southern Oregon Tallow	114K gal, grease trap waste
Colson Rendering Inc.	No reply										
Darling International, Kuna, Idaho	Yes ³¹	Yes	No		\$30/horse, \$100/mo. pigs, no charge cattle	Yes	Yes ³²	No			
Darling International, (Portland Rendering)	Yes	Yes ³³	Yes	Depends on time of day, # animals	\$80/ton, \$80 minimum, delivered	Yes	Yes ³⁴	No	Yes (poultry, fish)		

²⁶ Pumper truck services grease traps and interceptors in the Portland/Vancouver area.

²⁷ Services septic tanks and grease traps and interceptors only (no car oil) from Cottage Grove to Longview and Hermiston to Hillsboro.

²⁸ Picks up (\$35) from butcher shops, slaughterhouses, and meat establishments (no blood or trap grease). No pickup service for dead stock. Plant open Mon-Fri, last call on Fri 4 pm. Services grease traps and interceptors, but no septic or sewer grease accepted (graywater lines must be separate), \$30/month for restaurant services (clean traps & waste cooking oil). Service area 100-mile radius of Portland, also Roseburg, Coos Bay, Tillamook, Seaside/Astoria, Long Beach & Chehalis. Reloads byproducts to transfer trailers for processing in Seattle; fats & oils processed in Portland.

²⁹ Treats collected wastes from grease interceptors/traps collected by pumpers. Material is de-watered, cleaned effluent goes to the sewer, solids are landfilled. Serves Douglas, Josephine, Jackson counties, occasionally Klamath. If there were a need, the company would look at accepting dairy products.

³⁰ Accepts wastes from portable toilets, septic systems, grease traps, car washes, kennels, and municipal solids for de-watering.

³¹ Accepts (and picks up) dead animals from Adrien, Nyssa, Vail, Harper, 20 mi. north of Vail, Ontario. Makes bone meal & tallow from ground and cooked animal products. No sheep or goats.

³² Used cooking oils only. Does not service grease traps or interceptors. Service available in Baker City, La Grande, Elgin, & Joseph.

³³ No dogs, cats, or sheep. No pickups.

³⁴ Picks up meat scraps and restaurant grease (no septic), provides barrels, grease containers for scrap meats & fats, Services from Eugene to Blaine, WA, Tri-Cities and Pendleton to No. Coast. Waste is transferred daily from Portland to Tacoma, where it is treated on site.

		to Tacoma			

Table 2 – Rendering Companies

Company	Large	Small	Limit	How	Extra \$\$?	Byprod	Byprod	Byprod	Byprod	Refer to:	Amount
Name	?	?	?	much?		MPB	ROG	Dairy	Other		handled/yr
Denley Inc.	Yes ³⁵	Yes	No		\$125/horse,	Yes ³⁶	No	Yes	Yes (fish,	Darling	35,000 lbs./day
					\$100/cows,				seafood)	International (dairy	in winter, Rest
					\$150/llamas,				37	products)	of yr: 90-100K
					\$25/chickens						lbs./week
					(load)						
DOA Farm	Yes ³⁸	Yes	No		\$50/cow,	Yes	No	No	No	White Farms for	2,860 tons
Service					\$75/horse,					out-of-area	
					\$12.50-25						
					small animal						
EC Restaurant	No	No				No	Yes ³⁹	No	No	Large animal vets,	26 tons
Services (former										dairies, or Harvey	
Eugene										Strong (DOA Farm	
Chemical)										Service)	
Makk Systems	No										
	reply										
Oregon Oils	No	No				No	Yes				3 mill. lbs/yr.
							(yellow				
							grease) ⁴⁰				

³⁵ No sheep, goats, rotten animals. Accepts road kill from highway depts., cities, and counties. Serves Salem, Hood River, Rainier, Vernonia. Animal products sent to Darling International for processing.

³⁶ Provides pick-up service and storage containers for butcher wastes, fat barrels, etc. in Washington, Yamhill, Clackamas counties.

³⁷ No human waste.

³⁸ Picks up & transports dead animals from Tillamook County (Astoria to Nehalem) to Redmond Tallow. Needs more help to meet the demand.

³⁹ Provides pick-up service & storage containers for recycling of grease & oils from Astoria to Gold Beach & Brookings and from Silverton & Detroit to Hood River & Vancouver.

⁴⁰ Provides pick-up service & storage containers for recycling of vegetable oils (yellow grease) & services grease traps and interceptors (no sewage) from Portland metro area, Salem, Corvallis, McMinnville, Oregon Coast, Longview, Vancouver.

Table 2 – Rendering Companies

Company	Large	Small	Limit	How	Extra \$\$?	Byprod	Byprod	Byprod	Byprod	Refer to:	Amount
Name	?	?	?	much?		MPB	ROG	Dairy	Other		handled/yr
Redmond Tallow	Yes ⁴¹	Yes	No		\$35/horses,	Yes	Yes ⁴²	No		If out-of-area waste,	
Company					goats, llamas;					refer to other	
					\$20/ cows,					rendering plants, if	
					calves, pigs					known	
River City	No	No				Yes ⁴³	Yes	No	Yes	Redmond Tallow	200,000 gals.
Environmental											
South Coast Hide	No										
& Tallow	reply										
Southern Oregon	Yes	Yes ⁴⁴	No		No charge if	Yes	Yes ⁴⁶	No	No	Landfill	17.5 mill lbs
Tallow Co., Inc.					brought in;						animal waste,
					pick-up						2 mill lbs
					charge						grease
					varies ⁴⁵						
White's Farm ⁴⁷	Yes	No			\$175/horse,	No	No	No	No	Tillamook Feed	
					\$65/cows ⁴⁸					Mill, 503-842-4111;	
										Calvin Christensen,	
										503-842-9323	

⁴¹

⁴¹ No sheep, dogs, or cats. White's Farm picks up & delivers to Redmond Tallow in the Stayton area; Harvey Strong (DOA Farm Service) does the same for Tillamook area.

⁴² Provides pick-up service & storage containers for recycling of grease & oils in Central Oregon, Lakeview, Burns, John Day, Madras, Prineville, Kineta. Does not service grease traps & interceptors.

⁴³ Provides pick-up service & storage containers for recycling of rendering grease & fryer oils, etc. from Salem to Ridgefield & Gresham to Hillsboro. Services animal plant grease traps & interceptors, septic tanks, catch basins, oil/water separators, steam clean pits. Could take food waste.

⁴⁴ No pets, sheep.

^{45 \$35-75} per pick-up of up to 3 animals. Extra if emergency run or for euthanized animals, which are landfilled.

⁴⁶ Provides pick-up service & storage containers for recycling of grease, bones, tallow, offal in Southern Oregon & Northern California. Services grease traps & interceptors.

⁴⁷ Cows, horses, llamas, mules only. No sheep, goats, pigs. Provides pick-up service for these animals (after Eugene Chemical shut down last summer) from Woodburn to Eugene, down to Monroe, Rickreall, Jefferson, Scio. Transports dead animals to Redmond Tallow Co.

⁴⁸ \$65-charge is for cows from Woodburn & south. Extra fee for horses.

Landfill Survey Questions

1. Do y	you accept small and large dead animals for Small animal			□ yes	□ no
	Do you accept agricultural animals? If "yes," do you have a weight or volume li If you have a weight or volume limit, what How much do you charge to accept dead an	mit you will ac is it?		□ yes □ yes	□ no □ no
	Is there an extra fee for large carcasses? If s Do you have a written fee schedule or infor Please add anything else you think we shou	so, what is it? mation on a we	ebsite? _	c	
2. Do y	you accept animal byproducts for disposal?	□ yes	□ no		comments:
	Meat processing byproducts?	□ yes	□ no		comments:
	Restaurant oil and grease?	□ yes	□ no		comments:
	Dairy products?	□ yes	□ no		comments:
	Other (please specify)	□ yes	□ no		comments:
	ou do not accept animal byproducts or morta al sites? □ yes				these items to other e do you refer them?
4. App	roximately how much animal waste (not ma	nure) do you ha	andle per	r year? _	
5. Wou	ald you like a copy of the summary from this	s survey? □ yes	s □ no _		(your name)

If you have any questions about this survey, please contact Judy Henderson at 503-229-5521 or 1-800-452-4011, ext. 5521. E-mail henderson.judith.a@deq.state.or.us. Thank you for taking the time to help DEQ collect this information.

Rendering Company Survey Questions

1. Do you ac	cept small and large dead animals for a Small animals			□ yes □ yes	□ no
If "ye If you How	ou accept agricultural animals? es," do you have a weight or volume ling to have a weight or volume limit, what much do you charge to accept dead an	mit you will acc is it? imals for dispo		□ yes □ yes	□ no □ no
	ere an extra fee for large carcasses? If see add anything else you think we shou		his topi	С	
2. Do you ac	cept animal byproducts for disposal?	□ yes	□ no	comments:	
Meat	processing byproducts?	□ yes	□ no	comments:	
Resta	nurant oil and grease?	□ yes	□ no	comments:	
Dairy	products?	□ yes	□ no	comments:	
Other	r (please specify)	□ yes	□ no		
disposal sour	not accept animal byproducts or mortal rces? yes," where do you refer them?	□ no			items to other
4. Approxim	ately how much animal waste (not ma	nure) do you ha	ndle pe	r year?	
Stora	ovide pick-up service: ge containers? what materials?	□ yes □ yes			
For w	what geographical area?				
6. How are a	nimal products processed (e.g., dispos	ed, recycled, tre	eated on	site)?	
Greas	rvice grease traps? se interceptors ifications/limitations?	□ yes □ yes			
8. Would you	u like a copy of the summary informat	ion we prepare	from th	is survey?	

Oregon Landfills Surveyed (June 2001)

Name of Landfill	County	Contact Name	Landfill Location/Address	City	State	ZIP Code	Phone Number
ANT FLAT LANDFILL	Wallowa	MikeHayward	Wallowa Co. Courthouse, 101 S River, Room 202	Enterprise	OR	97828	(541) 426-4543
BAKER SANITARY LANDFILL	Baker	Claudia K. Ehmer	SE of Baker City/PO Box 169	Baker City	OR	97814	(541) 523-2626
BEAVER HILL INCINERATOR &	Coos	Steve Allen	¹ / ₄ mi south of MP 251, 15 mi south of Coos	Coquille	OR	97423	(541) 396-6137
DISPOSAL SITE			Bay/Coos County Courthouse, 250 N Baxter	_			
BURNS/HINES LANDFILL	Harney	Randy Fulton	North side of Burns/PO Box 418	Burns	OR	97720-0418	(541) 573-6441
CHEMULT DISPOSAL SITE	Klamath	Jay Henry	305 Main St, Room 243	Klamath Falls	OR	97601	(541) 883-4696
COFFIN BUTTE SANITARY	Benton	Kevin J. Gienger	28972 Coffin Butte Rd	Corvallis	OR	97330	(541) 745-2018
LANDFILL (VALLEY)							
COLUMBIA RIDGE LANDFILL & RECYCLING	Gilliam	Denise Ball	18177 Cedar Springs Lane	Arlington	OR	97812	(541) 454 2030
CROOK COUNTY LANDFILL	Crook	Alan Keller	Crook County Courthouse, 300 NE 3rd	Prineville	OR	97754	(541) 447-6555
DIAMOND DISPOSAL SITE	Harney	Dan Nichols	450 No Buena Vista	Burns	OR	97720	(541) 573-6356
DREWSEY DISPOSAL SITE		Dan Nichols	450 No Buena Vista	Burns	OR	97720	(541) 573-6356
DRY CREEK DISPOSAL SITE	,	Don Cordell	6260 Dry Creek Rd/135 W Main Street	Medford	OR	97501	(541) 779-4161
ENERGY RECOVERY FACILITY	Marion	Jeff Bickford	5 mi north of Salem/PO Box 9126	Brooks	OR	97305	(503) 393-0890
(BROOKS, Covanta Energy operates)							((()))
FIELDS DISPOSAL SITE	Harney	Dan Nichols	450 No Buena Vista	Burns	OR	97720	(541) 573-6356
FINLEY BUTTES LANDFILL	Morrow	Dan Schooler	10 mi south of Boardman/PO Box 61726	Vancouver	WA	98666	(360) 965-4858
FOX HILL LANDFILL (GRANDE	Union	Ron Larvik	West part of La Grande/1202 Willow St	La Grande	OR	97850	(541) 963-5459
RONDE)							
FRENCHGLEN DISPOSAL SITE	-	Dan Nichols	South of Frenchglen/450 No Buena Vista	Burns	OR	97720	(541) 573-6232
HAINES LANDFILL		Rena Morrow	PO Box 208	Haines	OR	97833	(541) 856-3366
HILLSBORO LANDFILL	Ū	Laurel Wolper		Hillsboro	OR	97123	(503) 640-9427
HUMBERT SANITARY LF (RAHNS)	Umatilla	Cindy Granger	Gerking Flat Rd/53293 Triangle Rd	Milton-Freew	OR	97862	(541) 938-4188
KLAMATH FALLS LANDFILL	Klamath	Jay Henry	305 Main St, Room 243	Klamath Falls	OR	97601	(541) 883-4696
KNOTT LANDFILL	Deschutes	Timm Schimke	East side of Bend/61000 SE 27th Street	Bend	OR	97702	(541) 317-3163
LAKE COUNTY LANDFILL	Lake	Rick DuMilieu	513 Center St	Lakeview	OR	97630	(541) 947-6004
LAKESIDE RECLAMATION	Washington	Gayle Jacobs	14930 SE Vandermost Rd	Beaverton	OR	97007	(503)628-1866
LYTLE BOULEVARD LANDFILL	Malheur	Ray Huff	5-6 mi SE of Vale on Lytle Blvd/251 "B" St W #9	Vale	OR	97918-1397	(541) 473-5186
MILTON FREEWATER LANDFILL	Umatilla	Howard Moss	PO Box 6	Milton-Freew	OR	97862	(541) 938-5531
			4				Ext. 141
ONTARIO SANITARY SERVICE		Scott Wilson	1108 SE 6 th St./540 SE 9th Ave	Ontario	OR		(541) 889-5719
PRAIRIE CITY LANDFILL	Grant	Diane M. Clingman	PO Box 370	Prairie City	OR	97869	(541) 820-3605
RILEY DISPOSAL SITE	,	Dan Nichols	450 No Buena Vista	Burns	OR	97720	(541) 573-6232
RIVERBEND SANITARY LANDFL	Yamhill	Michelle Gullette	SW part of McMinnville/13469 SW Highway 18	McMinnville	OR		(503) 472-8788
ROSEBURG LANDFILL	Douglas	Bob Fender	Roseburg Landfill Rd/McLain Ave. 1036 SE Douglas Ave. Rm 219	Roseburg	OR	97470	(541) 440-4526
SHORT MOUNTAIN LANDFILL	Lane	Mike Turner	84777 Dillard Access Rd/3100 E 17 th Ave.	Eugene	OR	97403	(541) 682-4342
SOD HOUSE DISPOSAL SITE	Harney	Dan Nichols	12 mi west of New Princeton/450 No Buena Vista	Burns	OR	97720	(541) 573-6356
WASCO COUNTY LANDFILL INC	•	Dan Schooler	South side of The Dalles/2550 Steele Rd	The Dalles	OR	97058	(541) 296-4082

Rendering Companies Surveyed (June 2001)

Company Name	Contact Name	Address, if Available	City, State	ZIP Code	Phone Number
Aall Pump	Diane		Portland, OR		(503) 285-5838
Sanitation Services					
ABCO Sanitation	Dixie		Oregon City, OR		(503) 657-0219
Services					
Area Recyclers	Todd		Portland, OR	97201	(503) 240-4440
(Div. Of Baker					
Commodities)					
Baker	Jake Trammell	9901 N. Hurst	Portland, OR	97217	(503) 289-1221
Commodities					(503) 283-5372
					(800) 743-5947
Clearwater Co-op	Brian Thompson		Grants Pass, OR		(541) 476-3654
Colson Rendering	Did not reply to survey	9013 NE 212 th Ave	Vancouver, WA	98682	(360) 892-3247
Inc.					
Darling Internatl	Casey Jones		Kuna, ID		(208) 344-8318
Darling Internatl	Martin Eckstein		Portland, OR	97201	(503) 289-1101
(Portland Renderg)					(800) 328-1101
Denley Inc.	Kerry Fitch	2565 NE Oregon	Sherwood, OR	97140	(503) 625-6616
DOA Farm Service	Harvey Strong		Tillamook, OR		(503) 842-4740 or
					(877) 703-5986
EC Restaurant		PO Box 244	Harrisburg, OR	97446	(541) 995-6025
Services (Eugene					(800) 944-0295
Chemical)					
Makk Systems			Tigard, OR		(503) 624-0623
Oregon Oils (now	David Burns	PO Box 14788	Portland, OR	97201	(503) 233-0818
Trashco Service)					
Redmond Tallow	Esther	3110 NE Oneil Way	Redmond, OR	97758	(541) 548-4343
Co.		-			
River City	Bob		Portland, OR		(503) 252-6144
Environmental					
South Coast Hide	Jim	55991 Glen Aiken Creek	Coquille, OR	97423	(541) 396-4967
& Tallow		Rd.			
Southern Oregon	Sandy Harding	PO Box 244	Eagle Point, OR	97524	(541) 826-3141
Tallow Co., Inc.	_				
White's Farm llc	Donita White	550 Morrow Rd.	Independence, OR	97351	(503)838-3505