

A G E N D A

600 NORTHEAST GRAND AVENUE PORTLAND, OREGON 97232-2736
TEL 503-797-1700 FAX 503-797-1797



METRO

MEETING: REGIONAL SOLID WASTE ADVISORY COMMITTEE

DATE: Thursday, January 25, 2007

TIME: 10:00 a.m. to noon

PLACE: Council Chambers and Annex
600 NE Grand Avenue, Portland

- 15 mins. **I. Call to Order**..... **Rod Park/Kathryn Harrington**
Introductions/announcements
*Approval of minutes**
- 10 mins. **II. Solid Waste & Recycling Director's Update**..... **Mike Hoglund**
- 60 mins. **III. RSWMP Policies*** **Janet Matthews**
This agenda item is an opportunity for SWAC members to comment on draft regional policies recommended by staff for the updated Regional Solid Waste Management Plan. The regional policies are part of the RSWMP guiding framework (vision, values, policies, and goals). A brief presentation will summarize key points.
Meeting action: Comments and discussion.
- 25 mins. **IV. New MRF Standards***.....**Brower/Metzler**
New MRF standards -- developed in consultation with a multi-stakeholder work group -- will be considered by Council in the next month. This agenda item is intended to provide SWAC members with an understanding of the major changes, the facilities to which these standards will apply, the problems that will be addressed by these changes, and the schedule for implementation. SWAC will be asked to provide a recommendation to Council.
Meeting action: Recommendation.
- 5 mins. **V. Other business and adjourn**..... **Kathryn Harrington**

*Denotes material included in the meeting packet

All times listed on this agenda are approximate. Items may not be considered in the exact order listed.

Chair: Councilor Kathryn Harrington **Staff:** Janet Matthews (797-1826) **Committee Clerk:** Susan Moore (797-1643)

JM:gbc

M:\rem\od\projects\SWAC\Agenda_Minutes\2006\SWAC113006aga.doc
Queue

ATTACHMENT
SWAC Agenda Item I

**Regional Solid Waste Advisory Committee (SWAC)
December 12, 2006 Meeting Summary**

January 25, 2007



METRO

600 NE Grand Ave.
Portland, OR 97232-2736

MINUTES OF THE METRO SOLID WASTE AND RECYCLING COMMITTEE (SWAC) MEETING

Metro Regional Center, Room 370A/B

Tuesday, December 12, 2006

Members / Alternates Present:

Mike Hoglund
Mike Leichner
Bruce Walker
Paul Edwards
Rick Winterhalter
JoAnn Herrigel
Dave White
Janet Malloch

Vince Gilbert
Ray Phelps
Glenn Zimmerman
Lori Stole
Dean Kampfer
Wade Lange
Jeff Murray

Mike Miller
Audrey O'Brien
Matt Korot
Theresa Koppang
Steve Schwab
Anita Largent
Eric Merrill

Guests and Metro staff:

Janet Matthews
Councilor Susan McLain
Dan Blue
Terrell Garrett
Scott Klag
Tom Chaimov

Julie Cash
Lee Barrett
Vicki Kolberg
Roy Brower
Brad Botkin
Jim Watkins

Paul Ehinger
Marv Fjordbeck
Wendy Fisher
Mike Dewey
Steve Apotheker
Gina Cubbon

I. Call to Order and Announcements Mike Hoglund

- Sitting in for Councilor Park, who was in a Council meeting, Mr. Hoglund welcomed the attendees and announced that the order of agenda items III and IV would be switched (as reflected below). Additionally, Councilor McLain, former Chair of SWAC, would be stopping by to say a few words as the end of her term was approaching.
- The latest roster of SWAC membership was handed out; if there are any errors or changes needed, please notify Janet Matthews. Ms. Matthews noted that there are vacancies in the area of business rate-payer, Clackamas County citizen rate-payer, and in the position of alternate for Washington County's Theresa Koppang. Suggestions for filling those seats would be welcomed, Ms. Matthews said.
- Councilor McLain briefly addressed the group, noting that she was about to leave office after sixteen years as a Metro Councilor. She learned a myriad of things about the solid waste industry, solid waste issues and recycling in her time at Metro, she said. "I think there are a lot of challenges left ahead," she said, "but I think that this table, and a very strong private industry as well as an agency like Metro, [which] really cares like you do about public service and the price that they have to pay for the public service.... it's still really important for us to keep talking and checking each other [to make sure] we're doing what's best for our businesses and for the general public." Councilor McLain continued, saying she is proud of the many innovations the industry has developed, and of the region's recycling rate.

E-waste and plastics remain a challenge, and organics collection is still being researched, but the region is ahead of the curve. SWAC is vital to that, the Councilor said, and to keeping the process visible. The next Council will help bring about the next chapter with SWAC, and Councilor McLain said she will remain interested in its progress.

- Approval of minutes: The City of Milwaukie’s JoAnn Herrigel moved, Mike Leichner of Pride Recycling and Disposal seconded. Approved as written.

II. Solid Waste & Recycling Director’s Update Mike Hoglund

Mr. Hoglund had staff hand out the most recent results of waste sorts being conducted at dry waste facilities (attached). “I think we’re getting close to a set of regulatory standards that will work for [Metro], local governments, the DEQ, and the processors, to make for a better system.” He hopes to have some progress made regarding the timing / phasing and implementation of EDWRP by the next SWAC meeting. The waste sorts are helping narrow down what recoverable residual level is feasible; it appears that the previously-discussed 15% will work.

IV. Curbing Residential Curbside Recycling Contamination Kolberg, Klag

(Switched with Agenda Item III.) Scott Klag introduced this item, and handed out hard copies of his PowerPoint presentation (attached). Vicki Kolberg reviewed the outreach campaign, noting that the two goals were to educate the public to separate glass from other recyclables, and keep plastic bags out of their recycling completely. Coates-Kokes was contracted to develop the advertising campaign television campaign (The correct total amount that went towards the purchase of media was \$157,063, broken down as follows: Metro - \$150,000; Clackamas County - \$75,000; City of Portland - \$20,000; Smurfit / DEQ order - \$20,000.) Metro has budgeted another \$150,000 for FY 2007-08.

Ms. Kolberg described the focus group process and what the public wanted, such as for haulers to leave a note describing how the resident is recycling incorrectly, if they are, and how they can correct the situation. The television campaign lasted just six weeks and included separate spots for glass and plastic issues. In addition, a traveling load of contaminated recyclables was shown in five locations around the region along with information about what causes recyclables to be landfilled. The City of Portland printed “Glass Only” stickers to coincide with the campaign. Forms for haulers to use in case of recycling mistakes were used differently depending on the jurisdiction, hauler, and driver. It was the “least systematic, integrated” piece of the campaign, Ms. Kolberg said. Metro’s Recycling Information Hotline number was on the leave-behind pieces for residents; callers to that number asked mostly for clarification. Other callers, however, were upset that they hadn’t heard about it from their hauler in advance; some felt they shouldn’t have to provide their own rigid container for glass, and there were several complaints about containers being stolen.

Next, Mr. Klag presented the follow-up evaluation of the campaign, which consisted of visits to approximately 900 household curbsides before and after the campaign, and a telephone survey. He explained the methodology and results, as shown in the PowerPoint presentation. The telephone survey revealed some improvement to recycling habits, and that information from haulers is something people depend on. When surveyed, more people made a behavior change because of information from their hauler than any other source.

Mr. Klag went through each of the findings, and said that the next steps will include consulting with stakeholders, and consideration of options, such as repeating the television campaign, integrating those ads with messages from local governments and haulers, focusing simply on information left at the curb, or waiting until areas change over to roll carts.

The Committee asked questions and commented. Ms. Herrigel mentioned that she never saw any of the television ads, and consequently recycled incorrectly and got a slip from her hauler. She's noticed no change in her neighborhood, and suggested having haulers leave slips.

Dave White of ORRA commented that he felt there had been a communication breakdown – how were local government representatives advised about the campaign, and then how did they communicate the change to haulers, and the haulers to the drivers? He suggested a coordinated message that would move through that chain of communication.

From Waste Management, Dean Kampfer said that not enough people saw, understood, and implemented the campaign's message. Referring to Mr. White's statements, Mr. Kampfer said that that some local governments were more communicative than others. Ms. Kolberg told the group that staff worked with some local governments on a subcommittee, and the intention was that they would then coordinate with their haulers. This worked in some areas, but smaller jurisdictions hadn't been directly involved, and others were understaffed. Ms. Herrigel commented that Ms. Kolberg and staff did a lot of outreach with local governments; if there was a disconnect with haulers, she felt it was not Metro's fault.

There was some confusion, too, Ms. Kolberg said, having people call Metro with comments rather than their local representation or hauler. "In trying to solve one problem [by providing Metro's number], we missed another problem," she explained. A lot was learned that can be used in the next round of funding for this campaign, Mr. Klag added.

To member comments that the campaign didn't address roll cart users, the City of Portland's Bruce Walker responded that this campaign was to try and get ahead of the roll cart curve, and had been based on work with Material Recovery Facilities (MRFs). He added that he supports the campaign, and asked MRFs for their opinions. Jeff Murray of Far West Fibers said that while he hadn't see huge results, his facility wasn't fully operational at the time because of fire damage. Regarding roll carts, however, Mr. Murray said there's been very little glass mixed in. He appreciated the campaign; summer may not have been the best time to run television spots, but as long as something was learned, it was valuable, he concluded.

Janet Malloch of Blue Heron Paper said that she appreciated the effort to reduce contaminants. She personally got feedback from her hauler, which worked.

Mr. Klag concluded the discussion, noting that most of the Committee's comments seemed to lean towards more integration of television ads with local government and hauler messaging. Clackamas County's Rick Winterhalter replied that as long as the campaign continues ramping up to keeping glass separate, it's good, "Just keep at it." Mr. Klag will strategize with local governments and haulers, while Ms. Kolberg continues to find the best ways to utilize this year's funding.

III. RSWMP Issues, Policies, and GoalsJanet Matthews

Ms. Matthews handed out an update of issues, showing the desired outcome for each, and how the issue would be addressed in the RSWMP. After outlining items that past RSWMP discussions have addressed, such as the Plan's purpose, Metro's role in its development and administration, and the roles of local governments and facilities / services, she gave a brief recap of the November 16 SWAC meeting. Ms. Matthews reminded the group that some planning issues (pricing, waste allocation) had been raised. While staff's intent afterward had been to provide some written issue papers that would provide goals, they realized the issues needed more analysis and Council input before policy direction could be defined.

Today's agenda item would provide an overview of key planning issues recommended for inclusion in the first chapter of the Plan, and members would be asked for their feedback before words are committed to paper, Ms. Matthews said. She listed information the members will receive by January 10th for discussion at the January 25 meeting: A draft of the Plan Context for Chapter 1; draft Regional Policies for Chapter 3; and a list of policies / concepts that will not be carried forward from the original Plan. At the January meeting, each member will have a chance to comment.

Ray Phelps of Allied / WRI asked when Council will get the updated RSWMP; Ms. Matthews replied it will be taken to a work session in mid-February; Council is eager to have this project finished, she said.

Ms. Matthews expanded on the issues outlined in the handout, and asked for comments regarding the issues themselves, desired outcomes, or if perhaps something has been missed. General head-nods affirmed that the right track is being traveled. She reiterated that materials would be forthcoming for review more than two weeks prior to the next SWAC meeting, and asked that the members consider the information carefully for full discussion at that meeting.

From the audience, Terrell Garrett of Greenway recycling asked if a study has been done of dry waste capacity in the region. A general overview has been done, Mr. Hoglund responded, but not a conclusive effort.. Mr. Garrett voiced concern there may not be enough capacity once EDWRP is in full swing.

Mr. White said that, as a representative group, it's very important that SWAC not "spend January talking about this stuff without going back to the people we represent, to make sure there's [substantial] buy-in" from the industry, haulers, and local governments on issues such as self-haul, pricing, mandatory programs. Additionally, he recommended that programs mandated by Metro (such as dry waste processing and commercial programs) need to be "brought up the chain of command" at local governments. "I would just like to say this is the opportunity to start running things up the flag pole, which I intend to do," he concluded.

Mr. Hoglund said a list of solid waste issues coming up in the next year will be presented to MPAC (Metro Policy Advisory Committee, comprised of mayors and other elected officials from the local governments). "If there's a local concern they see coming, [they may] elect to weigh in the issue," he said. Metro Council won't vote on the RSWMP until April or May at the earliest, Mr. Hoglund added.

V. Other Business and AdjournMike Hoglund

With no other business forthcoming, Mr. Hoglund thanked the attendees and adjourned the meeting at 3:35 pm.

Prepared by:

Gina Cubbon
Administrative Secretary
Metro Solid Waste & Recycling Department

gbc
Attachments: Residential Curbside Outreach Campaign Presentation

M:\rem\od\projects\SWAC\Agenda_Minutes\2006\SWAC121206min.doc
Queue

**15% Residual Pile Waste Sorts at Dry Waste Facilities
October/November/December 2006**

Sampling procedure:

1. Visually inspect the residual pile.
2. Prior to sampling, estimate if the entire residual pile appears to have more than 15% recoverable wood, OCC and Metal. Take a photograph.
3. Randomly select the sample from two places in the dry waste residual pile. Try to get at least 500 lbs per sample.
4. Determine total sample weight by obtaining a heavy and lightweight on the sample and the box/truck/loader holding the sample.
5. Spread sample out on the sorting floor. Take another photograph
6. Using the wooden check boxes for recoverable sizes, sort the sample into four categories:
 - Wood: 12" or greater in any direction
 - OCC: 12" or greater in any direction
 - Metal: 8" or greater in any direction
 - All other materials
7. Record weights for all materials and back out the tares for each material container

Results To Date

Sample number Facility Date and Time Sorters	Pre-sort visual estimate of residual pile (appears to have less than or more than 15% recoverable wood, OCC, metal)	Sample size	Total recoverable lbs wood, OCC, metal	Percent of recoverable wood, OCC, metal
1. Metro South TS 10/25/06 7:30 AM Sorters: Lee Barrett Bryce Jacobson	Much less than 15%	360.6 lbs	Wood: 8.1 OCC: 4.3 <u>Metal: 8.2</u> Total: 20.6	5.7%
2. Metro South TS 10/25/06 7:30 AM Sorters: Lee Barrett Bryce Jacobson	Much less than 15%	543.9 lbs	Wood: 2.5 OCC: 7.6 <u>Metal: 13.8</u> Total: 23.9	4.4%
3. Troutdale TS 10/25/06 11:00 AM Sorters: Lee Barrett plus several TTS sorters	Less than 15%	1,340 lbs	Wood: 188.3 OCC: 11.2 <u>Metal: 49.1</u> Total: 248.6	18.6%
4. WRI 10/27/06 3:00 PM Sorters: Lee Barrett Bryce Jacobson Jim Watkins	Less than 15%, possibly around 5-10%	780 lbs	Wood: 47.6 OCC: 8.35 <u>Metal: 74.6</u> Total: 130.55	16.7%
5. WRI 11/01/06 9:00 AM Sorters: Lee Barrett Bryce Jacobson	Less than 15%, possibly around 5%	540 lbs	Wood: 35.3 OCC: 16.05 <u>Metal: 13.1</u> Total: 64.45	11.9%
6. ECR 11/01/06 10:30 AM Sorters: Lee Barrett Bryce Jacobson	Well under 15%, likely under 5%	900 lbs	Wood: 10.25 OCC: 1.6 <u>Metal: 13.1</u> Total: 24.95	2.8%

Sample number Facility Date and Time Sorters	Pre-sort visual estimate of residual pile (appears to have less than or more than 15% recoverable wood, OCC, metal)	Sample size	Total recoverable lbs wood, OCC, metal	Percent of recoverable wood, OCC, metal
7. Troutdale TS 11/01/06 12:30 PM Sorters: Lee Barrett Bryce Jacobson	Less than 15%.	520 lbs	Wood: 29.4 OCC: 2.8 <u>Metal: .85</u> Total: 33.05	6.4%
8. Troutdale TS 11/01/06 12:50 PM Sorters: Lee Barrett Bryce Jacobson	Less than 15%	680 lbs	Wood: 77.4 OCC: 2.85 <u>Metal: 28.65</u> Total: 108.9	16%
9. Wastech 11/01/06 1:50 PM Sorters: Lee Barrett Bryce Jacobson	At least 20-25%, possibly higher	779 lbs	Wood: 296.05 OCC: 33.55 <u>Metal: 23.8</u> Total: 353.4	45.3%
10. Metro South TS 11/08/06 6:25 AM Sorters: Lee Barrett Jim Watkins Penny Erickson	More than 15%, possibly 20%	1833 lbs	Wood: 334.95 OCC: 12.45 <u>Metal: 46.00</u> Total: 393.40	21.4%
11. Wastech 11/15/06 8:40 AM Sorters: Lee Barrett Bryce Jacobson David McIntire	More than 15%, possibly around 20-30%	1000 lbs	Wood: 322.95 OCC: 95.6 <u>Metal: 1.95</u> Total: 420.5	42%
12. Wastech 11/15/06 9:30 AM Sorters: Lee Barrett Bryce Jacobson David McIntire 3 Wastech sorters	More than 15%, possibly around 40%	1460 lbs	Wood: 843.25 OCC: 33.1 <u>Metal: 50.25</u> Total: 926.6	63.4%
13. ECR 11/15/06 11:30 AM Sorters: Lee Barrett Bryce Jacobson	Less than 5%	660 lbs	Wood: 30.1 OCC: 9.3 <u>Metal: 18.3</u> Total: 57.7	8.7%
14. Pride 11/22/06 2:00 PM Sorters: Lee Barrett Bryce Jacobson	Less than 10%	1240 lbs	Wood: 30 OCC: 14.75 <u>Metal: 5.5</u> Total: 50.25	4%
15. Pride 11/29/06 9:50 AM Sorters: Lee Barrett Bryce Jacobson	Less than 5%	1440 lbs.	Wood: 23.9 OCC: 11.5 <u>Metal: .8</u> Total: 36.2	2.5%

Residential Curbside Outreach Campaign



Evaluation Results
SWAC December 12, 2007

Agenda

1. Vicki
 - Background – why, what
 - Feedback
2. Scott
 - Field work results
 - Phone survey
3. Discussion



Outreach Campaign

- Background – why, what
- Feedback



Evaluation Methods

- Curbside Field Study
 - Put out glass and plastic bags?
 - ~ 900 HH's visited twice
- Phone survey
 - Glass and plastic bag recycling
 - Surveyed ~300 of 900 HHs visited
 - Called small sample of HH's with roll cart



Results – Summary

- Field study
 - Only marginal improvement on setting glass aside
 - But positive trends
 - More segregation of glass inside bins
 - More use of rigid containers
- Telephone survey
 - Better reported behavior regarding glass
 - Information from hauler may be a key



Curbside Fieldwork – Overview

- Number HHs visited
 - “Pre” - 980 HHs
 - “Post” – 884 HHs
- Comparability of visits
 - Percentage Pre / Post at curb
 - Garbage: 94% / 92%
 - Glass: 44% / 45%
 - Plastic bags: 11% / 9 %



Curbside Fieldwork – Results

- All HHs with glass
 - “Pre” 434 HHs
 - “Inside bin” **71%**
 - “Outside bin” **29%**
 - “Post” 400 HHs
 - “Inside bin” **68%**
 - “Outside bin” **32%**



Curbside Fieldwork – Results

- 263 HH's with glass both visits
 - “Pre”
 - “Inside bin” **70%**
 - “Outside bin” **30%**
 - “Post”
 - “Inside bin” **64%**
 - “Outside bin” **36%**



CF Results - *Inside Bin Behavior*

- All HHs with glass
 - “Pre” 309 HHs
 - Loose in bin **61%**
 - Segregated (bagged) in bin **39%**
 - “Post” 271 HHs
 - Loose in bin **53%**
 - Segregated (bagged) in bin **47%**



CF Results - *Outside Bin Behavior*

- All HHs with glass
 - “Pre” 125 HHs
 - “Rigid” container **15%**
 - “Post” 129 HHs
 - “Rigid” container **20%**



Telephone Survey – Overview

- Bin HH's
 - Targeted HHs visited in Field Study
 - 288 completed
- Roll cart HH's
 - Random selection from major roll cart areas
 - 79 completed



Telephone Survey – Results

- Bin HHs with glass: 268
 - "Inside bin" **59%**
 - "Outside bin" **41%**
- Roll cart HHs with glass:
 - "Inside cart" **14%**
 - "Outside cart" **84%**



TS Results - Ad Recall

- Bin HHs – 288
 - Glass Ad 19%
 - Plastic Bag Ad 8%
- Roll Cart HHs – 79
 - Glass Ad 15%
 - Plastic Bag Ad 5%



TS Results - Behavior Changes

“In last 3-4 months, changed the way you recycle glass?”

- Bin HHs – 277
 - Yes 22%
- Roll Cart HHs – 70
 - Yes 11%



TS Results - "What promoted this change?"

	<u>Count</u>	<u>%</u>
Newspaper story	1	1.7
Radio news story	1	1.7
Website	1	1.7
TV news story	5	8.3
Mailer or notice from City or County	5	8.3
TV ad	7	11.7
Other	8	13.3
Mailer from hauler	10	16.7
Notice left at curb from garbage hauler	22	36.7
Total	60	100%



Next Steps

- Consult with stakeholders
- Consider options



Options to Consider

- More TV time with message – repeat the campaign
- More integration of TV ads with local gov't & hauler messaging
- Just focus on the “leave behinds”
- Wait until an area is ready for roll carts – then do education



REGIONAL SOLID WASTE MANAGEMENT PLAN (UPDATE)

<i>Planning issue</i>	<i>Desired outcome</i>	<u><i>Ways in which issue will be addressed in RSWMP</i></u>
1. Waste generation	Slow the growth	<ul style="list-style-type: none"> • On-going waste prevention strategies • (TBD) New strategies from DEQ process
2. Landfilled resources	Reduce disposal of readily recoverable material	<ul style="list-style-type: none"> • Require processing of all dry waste before landfilling • Establish targets for increased recovery of business-generated recyclables in local jurisdictions
3. Toxics in the environment	Reduce use and improper disposal of HHW	<ul style="list-style-type: none"> • Education on non-toxic alternatives • Continued collection of HHW at round-up events and permanent sites
4. System managed "end of pipe"	Product mfrs. share responsibility, e.g., e-waste	<ul style="list-style-type: none"> • Prioritize product stewardship efforts based on environmental impact, barriers to recycling, and financial burdens to local govt. • Work at regional, state, and national level to develop and implement policies and industry-wide agreements
5. Increase sustainability practices	Operations of the solid waste system are more sustainable	<ul style="list-style-type: none"> • Evaluate, implement, report on progress in achieving system sustainability goals and objectives
6. Allocation of waste	Ratepayers benefit	<ul style="list-style-type: none"> • (TBD) System Improvements workplan
7. Public/private pricing	Ratepayers benefit	<ul style="list-style-type: none"> • Rate transparency policy • (TBD) System Improvements workplan
8. Self-haul services	Higher recovery of self-hauled material	<ul style="list-style-type: none"> • (TBD) System Improvements workplan
9. Facility regulation	Clear entry standards	<ul style="list-style-type: none"> • (TBD) System Improvements workplan
10. Long-term goals (e.g., waste generation goal, recovery goals beyond 2009)	Add new target-based goals to RSWMP	<ul style="list-style-type: none"> • (TBD) Evaluate and recommend long-term goals for future Plan amendment

ATTACHMENT
SWAC Agenda Item III

**Regional Solid Waste Management Plan
(RSWMP) Policies**

January 25, 2007

-- Comment Opportunity --
Guiding Framework for the RSWMP Update

Regional Solid Waste Advisory Committee
January 25, 2007

Summary of contents:

I. Plan Vision

- Waste viewed as inefficiency
- Producers share responsibility
- Resources used sustainably

II. Regional Values

- Resource conservation
- Public health and safety
- Shared responsibility
- Life-long learning
- Coordination and cooperation
- Performance
- Access to services

III. Regional Policies

- System performance
- Preferred practices
- Sustainability alternatives evaluation
- Recycling services provision
- Source separation
- Market development
- New facilities
- Facility ownership
- Facility siting
- System regulation
- Host community enhancement
- Disposal pricing
- Rate adjustments

IV. Goals

Program areas

- Waste reduction
- Education services
- Hazardous waste management
- Product stewardship

Sustainable operations

- Greenhouse gas and diesel particulate emissions
- Stormwater run-off
- Natural resource use
- Use and discharge of toxic materials
- New facility construction and operations
- Customer and employee health and safety
- Training and education on sustainable practices
- Quality work life
- Sustainable purchasing

I. Plan Vision

A vision is the ultimate ideal or aspiration

The Plan envisions a significant evolution from today's comprehensive solid waste management practices to a future where waste is viewed as an inefficient use of resources.

Through cooperation and shared responsibility among producers, consumers and governments, the region will contribute to the sustainable use of natural resources to enhance our community, economy, and environment for current and future generations.

II. Regional Values

Values represent a set of principles held by the region that will guide and shape policies

Resource conservation

Protecting the environmental quality of the region by conserving resources and reducing toxic and solid waste to ensure resources for future generations.

Public health and safety

Ensuring sound waste management operations, eradicating illegal dumps, and reducing toxic substances to maintain quality of life for the region's residents.

Shared responsibility

Promoting a shift from end-of-pipe waste management to include manufacturers and users in bearing costs associated with product management.

Life-long learning

Raising awareness among all age groups of ways to conserve resources and reduce impacts on the environment.

Coordination and cooperation

Addressing regional issues and developing regional programs in partnership to attain shared direction.

Performance

Emphasizing outcomes in programs and services to determine efficiency and effectiveness.

Access to services

Providing residential and commercial customers with access to a range of collection and facility service options.

III. Regional Policies

Policies are statements that guide present programs and future decisions

System performance

The regional solid waste system will perform in a manner that is

- Environmentally sound
- Regionally balanced
- Cost-effective
- Adaptable to change
- Technologically feasible and
- Acceptable to the public

Preferred practices

Solid waste management practices will be guided by the following hierarchy:

- First, reduce the amount of solid waste generated;
- Second, reuse material for its originally intended purpose;
- Third, recycle or compost material that cannot be reduced or reused;
- Fourth, recover energy from material that cannot be reduced, reused, recycled or composted so long as the energy recovery facility preserves the quality of air, water and land resources;
- Fifth, landfill solid waste that cannot be reduced, reused, recycled, composted or from which energy cannot be recovered.

Sustainability alternatives evaluation

Waste reduction or other sustainability alternatives identified for business practices or programs will be evaluated based on (a) technological feasibility; (b) economic comparison to current practice or conditions; and (c) net environmental benefits.

Recycling services provision

Recycling services will be offered as a component of residential and commercial waste collection in the region.

Recycling services will be standardized in the region to the extent possible to minimize confusion on the part of residents and businesses and to construct cooperative promotion campaigns that cross jurisdictional boundaries.

Source separation

Source separation is the preferred approach in the region for ensuring quality secondary materials for recycling markets, but other forms of material recovery, such as post-collection separation, will not be precluded.

Market development

Enterprises that can significantly expand end-use opportunities for reuse or recycling will be fostered by the region.

New facilities

The current system of transfer stations provides reasonable access for haulers and sufficient capacity for the consolidation and transfer of solid waste to disposal facilities. New transfer stations may be considered if they provide a net benefit to the public. Factors in evaluating net benefit include: capacity and access; whether the facility will be publicly or privately owned; and the impacts on material recovery and ratepayers.

Other types of new solid waste facilities shall be considered if they significantly support and are consistent with the policies of this plan.

Facility ownership

Transfer facilities in the regional solid waste system may be publicly or privately owned. The public interest is best served by continued public sector facility ownership in the system. Public ownership ensures a comprehensive range of services are accessible to regional customers at equitable and affordable rates.

Facility siting

Appropriate zoning in each city or county will utilize clear and objective standards that do not effectively prohibit solid waste facilities.

System regulation

Solid waste facilities accepting waste generated within the region will be regulated to ensure they are operated in an acceptable manner and are consistent with the policies of this plan. All regulated facilities performing post-collection material recovery shall meet minimum recovery requirements. Regulatory control will be implemented through a system of franchises, contracts, public ownership, and licenses.

Government regulation will ensure protection of the environment and the public interest, but not unnecessarily restrict the operation of private solid waste businesses.

Host community enhancement

Any community hosting a solid waste “disposal site” as defined by ORS 459.280 shall be entitled to a Metro-collected fee to be used for the purpose of community enhancement.

Disposal pricing

Charges for disposal services shall be sufficiently transparent to allow regulators to judge whether such charges are fair, acceptable, and reasonably related to the costs of services received.

The establishment of charges for disposal services at publicly owned facilities shall balance cost recovery, revenue adequacy, and adopted regulations and policies, including the policies and objectives of this plan. In addition, such charges shall be structured to ensure that the public sector is able to meet its long-term obligations such as investments, debt, contracts, and fixed costs undertaken by the public sector on behalf of the public.

Charges to residents of the Metro region who may not be direct users of the disposal system should be related to other benefits received.

Rate adjustments

To the extent possible, rate adjustments will be predictable and orderly to allow affected parties to perform effective planning.

IV. Goals

Goals are broadly stated ambitions for progress within the ten-year horizon of the Plan.

Program Areas

Waste Reduction - Increase the sustainable use of natural resources by achieving the waste reduction goal of 64% by 2009.

Education Services - Increase the adoption of sustainable behaviors by households and businesses through increased knowledge, motivation and commitment.

Hazardous Waste Management - Reduce the use and improper disposal of products generating hazardous waste in order to protect the environment and human health.

Product Stewardship - Shift responsibility to manufacturers, distributors and retailers for ensuring that products are designed to be non-toxic and recyclable, and incorporate the cost of the product's end-of-life management in the purchase price.

Operations

The following goals are intended to increase sustainable practices in the region's solid waste operations, and are applicable to all government-regulated facilities and services. This includes solid waste facilities serving the region as well as administrative offices, facility rolling stock, collection vehicles, and long-haul disposal trucks.

Reduce greenhouse gas and diesel particulate air emissions

Reduce stormwater run-off

Reduce natural resource use

Reduce use and discharge of toxic materials

Implement sustainability standards for facility construction and operations

Adopt best practices for customer and employee health and safety

Provide training and education on implementing sustainable practices

Support a quality work life

Employ sustainability values in seeking vendors or contractors

JM:gbc
M:\rem\od\projects\SWAC\SWAC 012507 RSWMP Review and Comment Opportunity.doc
Queue

ATTACHMENT
SWAC Agenda Item IV

New Material Recovery Facility (MRF) Standards

January 25, 2007

Project Overview

**STANDARDS FOR NON-PUTRESCIBLE
MIXED WASTE MATERIAL RECOVERY FACILITIES (MRFs) AND RELOADS**

SWAC January 25, 2007

INTRODUCTION

The Metro Code will be amended to ensure that material recovery facilities (MRFs) and reload facilities (reloads) accepting mixed non-putrescible waste generated in the Metro region are operated in accordance with the facility standards and operating requirements to be issued by Metro's Chief Operating Officer (COO) as provided in Metro Code Section 5.01.132.

Issuance of the facility standards will help assure that MRFs and reloads consistently handle, reload or recover material without creating nuisance impacts or harm to people or the environment. They will also provide a clear and level playing field for facilities and clarify the requirements prospective applicants must meet in advance of filing an application with Metro.

The COO will issue the facility standards within 90 days of adoption of the ordinance by the Metro Council. In addition, Chapter 5.01 of the Metro Code will be amended to articulate six general performance goals for MRFs and reloads describing the broad expectations for these facilities as follows:

General Performance Goals

- (1) Environment. Facilities shall be designed and operated to preclude the creation of undue threats to the environment (such as stormwater or groundwater contamination, air pollution, and improper acceptance and management of hazardous waste and asbestos).
- (2) Health and safety. Facilities shall be designed and operated to preclude the creation of conditions that may degrade public health and safety (such as fires, vectors, and airborne debris).
- (3) Nuisances. Facilities shall be designed and operated to preclude the creation of nuisance conditions (such as litter, dust, odors, and noise).
- (4) Material recovery. Facilities conducting material recovery on non-putrescible waste shall be designed and operated to assure materials are recovered from solid waste in a timely manner, to meet the standards in Section 5.01.125, and to protect the quality of non-putrescible waste that has not yet undergone material recovery.
- (5) Reloading. Facilities conducting reloading of non-putrescible waste shall be designed and operated to assure that the reloading and transfer of non-putrescible waste to Metro authorized processing facility is conducted rapidly and efficiently while protecting the quality of non-putrescible waste that has not yet undergone material recovery.
- (6) Record keeping. Facilities shall keep and maintain complete and accurate records of the amount of all solid waste and recyclable materials received, recycled, reloaded and disposed.

BACKGROUND

The facility standards issued by the COO will include: 1) specific performance goals, 2) performance standards and operating conditions, 3) standard operating condition templates (license agreement), and 4) standard application form templates.

The facility standards were developed with input from a workgroup consisting of representatives from the solid waste industry and local governments. The workgroup included: Vince Gilbert (East County Recycling), Howard Grabhorn (Lakeside Landfill), Allen Kackman (Elder Demolition), Dean Kampfer (Waste Management), Scott Keller (City of Beaverton), Wendie Kellington (Lakeside Landfill), Theresa Koppang (Washington County), Michael Leichner (Pride Recycling), Mark McGregor (Clean-It-Up-Mark), Audrey O'Brien (DEQ), Ray Phelps (Willamette Resources, Inc.), and David White (ORRA).

The standards are largely based on provisions found in existing Metro licenses and franchises for material recovery facilities and reload facilities. However, with input from the workgroup, the standards include some new provisions that are needed based on Metro's regulatory experience with non-putrescible waste handling facilities. Seven of the ten existing private material recovery and reload facilities already meet the standards.¹ All new non-putrescible mixed waste handling facilities will be required to meet the standards in order to operate. Existing facilities will have two years to meet the standards. In general, the standards are supported by members of the workgroup. In addition, Metro has also received letters of support from the DEQ and local government partners. The draft standards table reviewed by the workgroup is attached.

Major new requirements

- ❑ The major new operating standard will require dry waste facilities to conduct operations inside a building and on an impervious pad (asphalt or concrete). The building and pad requirements are intended to address common material recovery facility and reload facility problems related to off-site noise, dust, odor, nuisance, environmental and unprocessed material contamination.
- ❑ Existing facilities will have a two-year time frame for compliance with the building and pad requirements.
- ❑ The ordinance provides that an applicant for a Metro non-system license or a designated facility outside the region must provide documentation that the facility is in substantial compliance with the standards issued by the COO.

Temporary moratorium imposed on certain dry waste facilities

On February 2, 2006, the Metro Council imposed a temporary moratorium, until December 31, 2007, on all new mixed dry waste MRFs and reloads in the region. The moratorium was imposed by Council in order to: 1) provide time to conclude the Disposal System Planning project, 2) establish an enhanced dry waste recovery program, and 3) allow for the publication of up-to-date facility standards.

¹ There are nine existing private facilities that conduct material recovery from non-putrescible mixed waste: Aloha Garbage, Columbia Environmental (not yet operational), East County Recycling, KB Recycling, PLC III (not yet operational), Pride Recycling, Troutdale Transfer Station, Wastech and Willamette Resources, Inc. There is one existing non-putrescible mixed waste reload :Greenway Recycling, LLC. Of these ten facilities, all but three meet the standard requiring a building and pad: Aloha Garbage, East County Recycling, and Greenway Recycling, LLC.

Issues with dry waste handling facilities

Experience has shown that one of the most persistent problems from uncovered facilities is dust and airborne debris, generated on-site, that inevitably drifts off-site and settles on adjacent properties. Uncovered facilities have proven to have a more difficult time employing adequate control measures that contain dust and its resulting nuisance and health impacts.

Attention to preventing these problems has been intensified with several recent license applications to Metro to operate dry waste facilities. These applications were submitted with very little consideration to facility design and the impacts that can be associated with dry waste dumping and handling. If approved by Metro, these types of facilities could significantly increase the risks of public nuisances and adverse health or environmental impacts on people in surrounding businesses and neighborhoods. Metro's existing standards do not explicitly address the design requirements needed for a facility to avoid having such adverse impacts (e.g., impervious pad, roof, cover or building, and stormwater collection and treatment).

Issues of persistent concern for both MRFs and reloads now addressed in the proposed standards include:

- Dust and blowing debris generated from on-site traffic and the tipping and processing of dry waste.
- Insufficient on-site capacity for reloading or processing.
- Contamination or degradation of unprocessed waste by other solid waste or wind and precipitation.
- Inadequate load checking for prohibited or hazardous wastes.

In response to these issues, Metro is publishing facility standards and new application requirements for dry waste facilities. These standards will ensure that new dry waste facilities are designed and operated to a standard consistent with the best facilities in the region. Applicants will know well in advance what will be expected of a Metro licensed facility. Existing dry waste facilities not meeting these standards will be expected to achieve compliance within a reasonable time frame. Once these standards are implemented, the region will benefit from better-designed and operated facilities.

A companion ordinance will also be introduced for Council consideration that would lift the temporary moratorium on non-putrescible mixed waste MRFs and Reloads.

ANTICIPATED SCHEDULE

Council hearing schedule for (2) ordinances to consider the mixed dry waste facility standards and lift the mixed dry waste moratorium as follows:

- February 15, 2007: Metro Council 1st Reading (no action)
- February 22, 2007: Metro Council Public Hearing (action)

BM:gbc
S:\REM\metzlerb\Facility Standards 2006\SWAC\SWAC_Jan25_2007_material.doc
Queue

Standards for Non-Putrescible Mixed Waste Material Recovery Facilities and Reload Facilities

SWAC January 25, 2007

The following table identifies a specific facility issue with an associated performance goal, design requirement (to be addressed in the license application process) and performance standard / operating requirement (an enforceable, regulatory condition that will be embedded in the facility license or franchise). There are three sections:

- **Section 1** identifies operational issues and standards that are applicable to non-putrescible mixed waste material recovery facilities and reloads.
- **Section 2** lists the general administrative and legal obligations of all Metro licensed and franchised facilities.
- **Section 3** is added as a placeholder to describe new application procedures, existing facility phase-in and renewal requirements, and variances.

SECTION 1 – Issues, Standards and Requirements Applicable to Mixed Dry Waste Material Recovery Facilities and Reload Facilities

These standards and requirements are applicable to a material recovery facility or a dry waste reload facility. Many are also applicable to other licensed or franchised solid waste facilities. The design requirements are applicable to new facilities and existing facilities seeking new or expanded authority (to be addressed in the application process). Shaded sections denote new or amended provisions.

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
<p>A. Material recovery</p> <p>Applicable performance goals (3, 4)</p> <p>Metro Code: 5.01.125(a)(b)</p>	<p>Facilities that perform material recovery must be designed and operated to achieve the level of material recovery from mixed non-putrescible waste as specified in Metro Code.</p> <p>Facility design and operations shall ensure that unprocessed mixed non-putrescible wastes and recyclables are protected from contamination from other solid wastes or degradation from wind and precipitation.</p>	<p>Describe how material recovery will be conducted at the facility. For example:</p> <ol style="list-style-type: none"> 1. waste sources (e.g. commercial, residential), expected incoming tonnage, and characteristics, and expected tons recovered, including commodities, and tons of waste to be disposed; 2. the material recovery methods and equipment to be used on site (e.g., sorting lines, hand picking, magnets, etc.) ; and 3. the general markets for the materials recovered at the facility (subject to confidential information provisions in Section 2 X). <p>Submit a proposed facility design providing asphalt or concrete surfaces and a roofed building that is enclosed on at least three sides for the tipping floor, processing (sorting) areas,</p>	<p>The facility shall perform material recovery on mixed non-putrescible wastes. Recovery must be performed at no less than the minimum level stipulated in Metro Code Chapter 5.01 (at least 25% by weight of non-putrescible waste accepted at the facility). <i>This may change based on EDWRP implementation.</i></p> <p>Source-separated recyclable materials, including source-separated yard debris or wood wastes brought to the facility shall not be mixed with any other solid wastes</p> <p>Source-separated recyclable materials may not be disposed of by incineration or landfilling.</p> <p>All mixed non-putrescible waste tipping, storage, sorting and reloading activities must occur on an asphalt or concrete surface and inside a roofed building that is enclosed on at least three sides. Unusually large vehicles may</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
		storage and reloading areas.	tip wastes outside, provided the tipped wastes are moved under cover for processing or reloading within 12 hours of receipt or by the end of the business day, whichever is earlier. Mixed non-putrescible solid waste shall at all times be kept physically separated from, and shall not be mixed or allowed to commingle at any time with source-separated recyclable materials, including wood waste, yard debris and other recyclables.
<p>B. Reloading non-putrescible waste</p> <p>Applicable performance goal (3, 5)</p>	<p>Non-putrescible waste reload facilities shall be designed and operated to assure that the reloading and transfer of non-putrescible waste to a Metro authorized processing facility is conducted rapidly and efficiently.</p> <p>Facility design and operations shall ensure that unprocessed non-putrescible wastes and recyclables are protected from contamination from other solid wastes or degradation from wind and precipitation.</p>	<p>Submit a facility design that supports the rapid and efficient reloading of solid waste. Describe the equipment and methods that will be used.</p> <p>Submit a proposed design providing asphalt or concrete surfaces and a roofed structure, that is enclosed on at least three sides for the tipping floor, storage and reloading areas.</p>	<p>All mixed non-putrescible waste must be reloaded and transferred to a Metro authorized facility that conducts material recovery.</p> <p>All unprocessed mixed non-putrescible waste must be removed from the site within 48 hours after it has been received.</p> <p>All mixed non-putrescible waste tipping, storage and reloading activities must occur on an asphalt or concrete surface and inside a roofed building that is enclosed on at least three sides. Unusually large vehicles may tip wastes outside, provided the tipped wastes are moved under cover for reloading within 12-hours of receipt or by the end of the business day, whichever is earlier.</p>
<p>C. Dust, airborne debris and litter</p> <p>Applicable performance goals (2, 3)</p>	<p>Minimize and mitigate the generation of dust, airborne debris and litter on-site and prevent its migration beyond property boundaries.</p>	<p>Submit a proposed design providing a roofed structure enclosed on at least three sides for the tipping floor, processing (sorting) areas, and reloading areas. Unusually large vehicles may tip wastes outside, provided the tipped wastes are moved under cover for processing within 12-hours of receipt or the end of the business day whichever is earlier.</p> <p>Describe control measures to prevent fugitive dust, airborne debris and litter. The design shall provide for shrouding and dust prevention for the receiving area, processing area, reload</p>	<p>The facility shall be operated in a manner that minimizes and mitigates the generation of dust, airborne debris and litter, and shall prevent its migration beyond property boundaries. The facility shall:</p> <p>Take reasonable steps, including signage, to notify and remind persons delivering solid waste to the facility that all loads must be suitably secured to prevent any material from blowing off the load during transit.</p> <p>Maintain and operate all vehicles and devices</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
		<p>area, and all dry processing equipment and all conveyor transfer points where dust is generated.</p> <p>Provide a discussion of any additional facility design measures and procedures for the control of dust, windblown materials, airborne debris, litter and for the handling of the waste in the case of major processing facility breakdown.</p>	<p>transferring or transporting solid waste from the facility to prevent leaking, spilling or blowing of solid waste on-site or while in transit.</p> <p>Maintain, and operate all roads and access areas, receiving, processing (including grinding), storage, and reload areas in such a manner as to minimize and mitigate dust and debris from being generated on-site and prevent such dust and debris from blowing or settling off-site.</p> <p>Keep all areas within the site and all vehicle access roads within ¼ mile of the site free of litter and debris generated directly or indirectly as a result of the facility's operation.</p> <p>All mixed non-putrescible waste tipping, storage, sorting and reloading activities must occur on an asphalt or concrete surface and inside a roofed building that is enclosed on at least three sides. Unusually large vehicles may tip wastes outside, provided the tipped wastes are moved under cover for processing within 12-hours of receipt.</p> <p>Mixed non-putrescible waste and processing residual may not be stored unless it is on an impervious (asphalt or concrete) surface within a covered building or alternatively, inside water tight covered or tarped containers or within covered or tarped transport trailers.</p> <p>On-site facility access roads shall be maintained to prevent or control dust and to prevent or control the tracking of mud off-site.</p>
<p>D. Facility capacity</p> <p>Applicable performance goals (1, 2, 3, 4, 5)</p>	<p>The operational capacity of the facility or site shall not be exceeded.</p>	<p>Provide engineering plans/reports and specifications to document that the size and configuration of the facility grounds, building and equipment, including the facility layout, drainage structures, building design, and major facility equipment, processing systems and storage areas are of sufficient capacity to accommodate seasonal throughput of all</p>	<p>Covered elsewhere.</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
		materials that will be delivered to and generated by the facility.	
<p>E. Storage and exterior stockpiles</p> <p>Applicable performance goals (2, 3, 4)</p>	<p>Stored materials and solid wastes shall be suitably managed, contained and removed at sufficient frequency to avoid creating nuisance conditions, vector or bird attraction or harborage, or safety hazards.</p>	<p>The facility site plan shall identify stockpile footprints, the type of materials and the maximum height of each material stockpile.</p> <p>The facility design must include processing systems and storage areas of sufficient capacity to accommodate seasonal throughput of all materials that are delivered to and generated by the facility.</p>	<p>Exterior stockpiles shall be positioned within footprints identified on the facility site plan.</p> <p>Stored materials and solid wastes shall be suitably managed, contained and removed at sufficient frequency to avoid creating nuisance conditions, vector or bird attraction or harborage, or safety hazards. Storage areas must be maintained in an orderly manner and kept free of litter.</p> <p>Materials may not be stockpiled for longer than 180 days (6 months). Exceptions may be granted provided the facility has received written authority to store materials for longer periods of time based on a demonstrated need and the materials will be used productively and provided that such stockpiles will not create nuisances, health, safety or environmental problems.</p> <p>Mixed non-putrescible waste or processing residual may not be stored on-site unless it is on an impervious surface (i.e., asphalt or concrete) within a covered building or alternatively, inside water tight covered or tarped containers or within covered or tarped transport trailers.</p> <p>All non-putrescible waste processing residual shall at all times be kept physically separated from, and shall not be mixed or allowed to commingle at any time with, other source-separated recyclable or recovered materials, including wood waste, yard debris and other recyclables.</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
<p>F. Fire prevention Applicable performance goals (1, 2, 3)</p>	<p>Provide adequate fire prevention, protection, and control measures.</p>	<p>Submit proof of compliance with local and state fire codes. Stockpiles shall be located, sized and configured as required by local fire authorities. Identify water sources for fire suppression and layout that allows for isolation of potential heat sources.</p>	<p>The operator shall provide fire prevention, protection, and control measures, including but not limited to, adequate water supply for fire suppression, and the isolation of potential heat sources and/or flammables from the processing area.</p>

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)	
<p>G. Qualified operator Applicable performance goals (1, 2, 3, 4)</p>	<p>Provide a qualified operator on-site during all hours of operation to carry out the functions required by the license and operating plan.</p>	<p>The facility shall, during all hours of operation, provide a qualified and competent operating staff. Facility personnel, as relevant to their job duties and responsibilities, shall be familiar with the relevant provisions of the license and the relevant procedures contained within the facility's operating plan. A qualified operator must be an employee of the facility with training and authority to reject prohibited loads and properly manage prohibited waste that is inadvertently received.</p>	

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
<p>H. Prohibited waste Applicable performance goals (1, 2, 3, 4)</p>	<p>Prevent the acceptance of prohibited waste, including but not limited to putrescible waste, hazardous waste and asbestos. Prohibited waste shall be properly managed and disposed when inadvertently received.</p>	<p>Designate a load checking area on the facility site plan and a location for the storage of prohibited wastes removed during the load checking process that is separately secured or isolated. Containment areas shall be covered and enclosed and constructed to prevent leaking and contamination.</p>	<p>The facility shall provide qualified operators on-site during all hours of operation. The facility shall not accept prohibited waste, including but not limited to putrescible waste, hazardous waste and asbestos. Prohibited loads must be rejected upon discovery. Prohibited waste shall be properly managed and disposed</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
			<p>when inadvertently received.</p> <p>The facility shall implement a load checking program to prevent the acceptance of waste which is prohibited by the license. This program must include at a minimum:</p> <p>Visual inspection. Ensure when each load is tipped it is visually inspected by a qualified operator to prevent the acceptance of waste which is prohibited by the license; and</p> <p>A location for the storage of prohibited wastes removed during the load checking process that is separately secured or isolated. Containment areas shall be covered and enclosed to prevent leaking and contamination.</p> <p>Records of the training of personnel in the recognition, proper handling, and disposition of prohibited waste shall be maintained in the operating record and be available for review by Metro.</p>
<p>I. Measurement of waste</p> <p>Applicable performance goals (6)</p>	<p>All non-putrescible waste and source-separated recyclable materials shall be accurately weighed when they are received, transferred to market or intra-facility, and transported from the facility.</p>	<p>The location of scales shall be designated on the facility site plan.</p>	<p>The facility operator shall weigh all non-putrescible waste and source-separated recyclable material when it is received, transferred to market or intra-facility, and transported from the facility.</p> <p>The scale used to weigh all solid waste shall be licensed by the state of Oregon (Weights and Measures Act)</p>

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)	
<p>J. Transaction records and reporting</p> <p>Applicable</p>	<p>Maintain complete and accurate transaction records on the weights and types of all solid wastes and recyclable materials received, recovered, reloaded, removed or disposed from the facility.</p>	<p>Record transmittals. Records required shall be transmitted to Metro no later than fifteen days following the end of each month in electronic format prescribed by Metro.</p> <p>Hauler account number listing. Within 5 business days of Metro’s request, licensee shall provide Metro with a computer listing that cross references the incoming hauler account number with the hauling company’s name and address.</p>	

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)	
<p>performance goals (6)</p> <p>Metro Code: 5.01.137(a)</p>		<p>Transactions to be based on scale weights. Except for minimum fee transactions for small, light-weight loads, the licensee shall record each transaction electronically based on actual and accurate scale weights using the licensee’s on-site scales.</p> <p>For all solid waste the licensee is authorized to receive, including all non-putrescible waste, source-separated recyclables, inert materials, and yard debris, the licensee shall keep and maintain accurate records of the amount of such materials the licensee receives, recovers, recycles, reloads, and disposes. The licensee shall keep and maintain complete and accurate records of the following for all transactions:</p> <ul style="list-style-type: none"> a. Ticket Number (should be the same as the ticket number on the weight slips); b. Account Number or Business Name: Incoming hauler account number on all incoming transactions and outgoing destination account number on all outgoing transactions. For incoming cash commercial customers, incoming hauler business name for all incoming commercial cash transactions; c. Material category: Code designating the following types of material (more detail, such as differentiating yard debris, is acceptable): (1) incoming source-separated recyclable materials by type; (2) incoming mixed dry waste; (3) outgoing recyclable materials by type; (4) outgoing mixed dry waste; d. Origin: Code designating the following origin of material: (1) from inside Metro boundaries; (2) from within Multnomah, Clackamas and Washington Counties but outside Metro boundaries; and (3) from out-of-state; <ul style="list-style-type: none"> i. Any load containing any amount of waste from within the Metro region shall be reported as if the entire load was generated from inside the Metro region. ii. If the Licensee elects to report all loads delivered to the facility as being generated from inside the Metro region, then the Licensee is not required to designate the origin of loads in (d)(2) and (3) above. e. Date the load was received at, transferred within, or transmitted from the facility; f. Time the load was received at, transferred within, or transmitted from the facility; g. Indicate whether Licensee or Franchisee accepted or rejected the load; h. Net weight of the load; i. The fee charged to the generator of the load. 	

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
<p>K. Access control</p>	<p>Control access and prevent unauthorized pedestrian and vehicular traffic and illegal</p>	<p>Control pedestrian and vehicular access to the proposed facility by means of fencing, gates</p>	<p>Access to the facility shall be controlled as necessary to prevent unauthorized entry and</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
<p>Applicable performance goals (1, 2, 3)</p>	<p>dumping.</p>	<p>which may be locked, natural barriers or security guards.</p>	<p>dumping. A gate or other suitable barrier shall be maintained at potential vehicular access points to prevent unauthorized access to the site when an attendant is not on duty.</p>
<p>L. Adequate vehicle accommodation Applicable performance goals (2, 3)</p>	<p>Provide and maintain access roads to allow the orderly egress and ingress of vehicular traffic.</p>	<p>Access roads shall be provided from the public highways or roads, to and within the facility site and shall be designed and maintained to prevent traffic congestion and traffic hazards. Adequate on-site area at the facility's entrance, scales, loading and unloading points and exit points shall be provided to allow the number and types of vehicles expected to use the facility during peak times to safely queue off the public roads and right-of-way.</p>	<p>Provide access roads of sufficient capacity to adequately accommodate all on-site vehicular traffic. Access roads shall be maintained to allow the orderly egress and ingress of vehicular traffic when the facility is in operation, including during inclement weather. Vehicles delivering solid waste to the facility shall not park or queue on public streets or roads in a manner that impedes normal traffic flow, except under emergency conditions. Signs shall be posted to inform customers not to queue on public roadways. Adequate off-street parking and queuing for vehicles shall be provided, including adequate space for on-site tarping and untarping of loads.</p>
<p>M. Water contaminated by solid waste and solid waste leachate Applicable performance goals: (1, 2)</p>	<p>Provide pollution control measures to protect surface and ground waters from contamination from solid waste.</p>	<p>Submit a DEQ (or equivalent) approved plan with pollution control measures to protect surface and ground waters, including runoff collection and discharge and equipment cleaning and washdown water.</p>	<p>The Licensee shall operate the facility consistent with an approved DEQ (or equivalent) plan, and shall: Operate and maintain the facility to prevent contact of solid wastes with storm water runoff and precipitation; and Dispose of or treat water contaminated by solid waste generated onsite in a manner complying with local, state, and federal laws and regulations. All mixed non-putrescible waste tipping, storing, sorting and reloading activities must occur on an asphalt or concrete surface and inside a roofed building that is enclosed on at least three sides. Unusually large vehicles may tip wastes outside, provided the tipped wastes</p>

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
			are moved under cover for processing within 12-hours of receipt or by the end of the business day whichever is earlier.
<p>N. Vectors (e.g.: birds, rodents, insects) Applicable performance goals (2, 3)</p>	Prevent the attraction or harborage of rodents, birds, insects and other vectors.	Describe facility design features that will prevent vectors.	The Licensee shall operate the facility in a manner that is not conducive to the harborage of rodents, birds, insects or other vectors capable of transmitting, directly or indirectly, infectious diseases to humans or from one person or animal to another. If vectors are present or detected at the facility, vector control measures shall be implemented.
<p>O. Nuisance complaints Applicable performance goals (3)</p>	Respond to all nuisance complaints in a timely manner, and keep a record of such complaints, and any action taken to respond to the complaints, including actions to remedy the conditions that caused the complaint.	Not applicable	<p>The facility operator shall respond to all nuisance complaints in timely manner (including, but not limited to, blowing debris, fugitive dust or odors, noise, traffic, and vectors), and shall keep a record of such complaints and any action taken to respond to the complaints, including actions to remedy the conditions that caused the complaint.</p> <p>If the facility receives a complaint, the operator shall:</p> <p>Attempt to respond to that complaint within one business day, or sooner as circumstances may require, and retain documentation of its attempts (whether successful or unsuccessful); and log all such complaints as provided by the recordkeeping and reporting standards. Each log entry shall be retained for one year and shall be available for inspection by Metro.</p>
<p>P. Noise Applicable performance goals (2, 3)</p>	Prevent excessive noise that creates adverse off-site impacts.	Identify noise abatement design features on the facility site plan, if proposed.	The facility shall be operated in a manner that prevents the creation of excessive noise that creates adverse off-site impacts.
<p>Q. Odor Applicable performance goals</p>	Prevent odors that create off-site impacts.	Identify odor abatement design features on the facility site plan, if proposed.	The facility shall be operated in a manner that prevents the generation of odors that create off-site impacts. Odors from the facility shall not be

Issue	Issue Specific Performance Goal	Design Requirement (to be addressed in application)	Performance Standard / Operating Requirement (license / franchise condition)
(2, 3)			detectable off-site. The Licensee shall establish and follow procedures in the operating plan for minimizing odor at the facility.
R. Signage Applicable performance goals (1, 2, 3)	Have signage that identifies the facility, shows the required information, and is posted in locations as required.	Identify where the sign(s) will be located on the facility site plan.	The Licensee shall post signs at all public entrances to the facility, and in conformity with local government signage regulations. These signs shall be easily and readily visible, and legible from off-site during all hours and shall contain at least the following information: 1. General facility information Name of the facility Address of the facility; Emergency telephone number for the facility; Operating hours during which the facility is open for the receipt of authorized waste; Fees and charges; Metro’s name and telephone number (503) 234-3000; and A list of authorized and prohibited wastes. 2. Vehicle / traffic flow information or diagram. 3. Covered load requirements.

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)
S. Operating plan Applicable performance goals (1, 2, 3, 4, 5)	Develop, keep and abide by a Metro approved operating plan.	<p>Plan compliance The Licensee must operate the facility in accordance with an operating plan approved by the Manager of the Metro Solid Waste Regulatory Affairs Division. The operating plan must include sufficient detail to demonstrate that the facility will be operated in compliance with this license. The operating plan may be amended from time to time, subject to approval by the Manager of the Metro Solid Waste Regulatory Affairs Division.</p> <p>Plan maintenance The Licensee must revise the operating plan as necessary to keep it current with facility conditions, procedures, and requirements. The Licensee must submit revisions of the operating plan to the Manager of the Metro Solid Waste Regulatory Affairs Division for written approval prior to implementation.</p> <p>Access to operating plan The Licensee shall maintain a copy of the operating plan on the facility premises and in a location where facility personnel and Metro representatives have ready access to it.</p> <p>The operating plan shall establish:</p>

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)
		<p>Procedures for inspecting loads</p> <ul style="list-style-type: none"> a. Procedures for inspecting incoming loads for the presence of prohibited or unauthorized wastes; b. A set of objective criteria for accepting and rejecting loads; and c. An asbestos testing protocol for all material that appears as if it may contain asbestos. <p>Procedures for processing and storage of loads</p> <ul style="list-style-type: none"> a. Processing authorized solid wastes, b. Reloading and transfer of authorized solid wastes, c. Managing stockpiles. d. Storing authorized solid wastes; and e. Minimizing storage times and avoiding delay in processing of authorized solid wastes. <p>Procedures for managing prohibited wastes</p> <p>The operating plan shall establish procedures for managing, reloading, and transporting to appropriate facilities or disposal sites each of the prohibited or unauthorized wastes if they are discovered at the facility. In addition, the operating plan shall establish procedures and methods for notifying generators not to place hazardous wastes or other prohibited wastes in drop boxes or other collection containers destined for the facility.</p> <p>Procedures for odor prevention</p> <p>The operating plan shall establish procedures for preventing all objectionable odors from being detected off the premises of the facility. The plan must include:</p> <ul style="list-style-type: none"> a. A management plan that will be used to monitor and manage all odors of any derivation including malodorous loads delivered to the facility; and b. Procedures for receiving and recording odor complaints, immediately investigating any odor complaints to determine the cause of odor emissions, and remedying promptly any odor problem at the facility. <p>Procedures for dust prevention</p> <p>The operating plan shall establish procedures for preventing the production of dust from blowing or falling off the premises of the facility. The plan must include:</p> <ul style="list-style-type: none"> a. A management plan that will be used to monitor and manage dust of any derivation; and b. Procedures for receiving and recording dust complaints, immediately investigating any dust complaints to determine the cause of dust emissions, and remedying promptly any dust problem at the facility. <p>Procedures for emergencies</p> <p>The operating plan shall establish procedures to be followed in case of fire or other emergency.</p> <p>Procedures for nuisance complaints</p> <p>For every nuisance complaint (e.g. odor, dust, vibrations, litter) received, the Licensee shall record:</p> <ul style="list-style-type: none"> a. The nature of the complaint; b. The date the complaint was received; c. The name, address and telephone number of the person or persons making the complaint; and d. Any actions taken by the operator in response to the complaint (whether successful or unsuccessful). e. Records of such information shall be made available to Metro and local governments upon request. The

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)
<p>T. Pre-Operating conditions <i>(for new construction or new authorizations)</i></p> <p>Applicable performance goals (1, 2, 3, 4, 5)</p>	<p>The facility shall not be permitted to accept solid waste until it has demonstrated that construction is complete and the facility will likely be able to comply with all license conditions.</p>	<p>Licensee shall retain each complaint record for a period of not less than two years.</p> <p>The facility may not accept any solid waste until the Director of the Solid Waste and Recycling Department has approved in writing that:</p> <ol style="list-style-type: none"> The facility construction is complete according to plans submitted by the facility and approved by Metro. Any amendments or alterations to such plans must be approved by the Director of the Solid Waste and Recycling Department. The storm water management system must be constructed and in proper working order in accordance with the plans submitted to Metro and approved by the DEQ. Any amendments or alterations to such plans must be approved by the Director of the Solid Waste and Recycling Department. An adequate operating plan has been submitted and approved by the Director of the Solid Waste and Recycling Department. <p>Such written approval shall be based upon the Licensee’s compliance with license provisions, including the Director’s inspection of the facility and the documents submitted to the Director by the Licensee.</p> <p>Prior to the required construction inspection, the Licensee shall submit to the Director of the Solid Waste and Recycling Department “as constructed” facility plans which note any changes from the original plans submitted to Metro.</p> <p>When construction is complete or nearly complete, the Licensee shall notify the Director of the Solid Waste and Recycling Department so that an inspection can be made before acceptance of any solid waste.</p>
<p>U. General Recordkeeping and Reporting</p> <p>Applicable performance goal (6)</p> <p>Metro Code 5.01.137(a)</p>	<p>Maintain complete and accurate records and report such information to Metro.</p>	<p>DEQ submittals. Licensee shall provide Metro with copies of all correspondence, exhibits, or documents submitted to the DEQ relating to the terms or conditions of the DEQ solid waste permit or this license within two business days of providing such information.</p> <p>Copies of enforcement actions provided to Metro. Licensee shall send to Metro, upon receipt, copies of any notice of violation or non-compliance, citation, or any other similar enforcement actions issued to licensee by any federal, state, or local government other than Metro, and related to the operation of the facility.</p> <p>Unusual occurrences. Licensee shall keep and maintain accurate records of any unusual occurrences (such as fires or any other significant disruption) encountered during operation, and methods used to resolve problems arising from these events, including details of all incidents that required implementing emergency procedures. If a breakdown of the operator’s equipment occurs that will substantially impact the ability of the facility to remain in compliance, or create off-site impacts, the operator shall notify Metro within 24-hours and utilize standby equipment as necessary. The licensee shall report any facility fires, accidents, emergencies, and other significant incidents to Metro at (503) 234-3000 within 12 hours of the discovery of their occurrence.</p> <p>Nuisance complaints. For every nuisance complaint (e.g. odor, noise, dust, vibrations, litter) received, the licensee shall record: a) the nature of the complaint, b) the date the complaint was received, c) the name, address and telephone number of the person or persons making the</p>

Issue	Issue Specific Performance Goal	Performance Standard / Operating Requirement (license / franchise condition)
		<p>complaint; and d) any actions taken by the operator in response to the complaint (whether successful or unsuccessful). Records of such information shall be maintained on-site and made available to Metro upon request. The licensee shall retain each complaint record for a period not less than one year.</p> <p>Changes in ownership. The licensee must, in accordance with Metro Code Section 5.01.090, submit a new license application to Metro if the licensee proposes to transfer ownership or control of (1) the license, (2) the facility property, or (3) the name and address of the operator.</p>

SECTION 2 – General Administrative and Legal Obligations for Operating

This section identifies standard administrative and legal obligations, required by the Metro Code, for all solid waste facility licenses and franchises. These requirements are not unique to a material recovery facility or to a non-putrescible waste reload facility. Shaded sections denote new or amended provisions.

Issue	Performance Standard / Operating Requirement (license / franchise provision)
<p>V. Compliance by agents. Metro Code: 5.01.410(c)(e)(g)(h)</p>	<p>Compliance by agents. The Licensee shall be responsible for ensuring that its agents and contractors operate in compliance with this license.</p>
<p>W. Compliance with law Metro Code: 5.01.410(c)(e)(g)(h)</p>	<p>Compliance with law. The Licensee shall fully comply with all applicable local, regional, state and federal laws, rules, regulations, ordinances, orders and permits pertaining in any manner to this license, including all applicable Metro Code provisions and administrative procedures adopted pursuant to Chapter 5.01 whether or not those provisions have been specifically mentioned or cited herein. All conditions imposed on the operation of the facility by federal, state, regional or local governments or agencies having jurisdiction over the facility shall be deemed part of this license as if specifically set forth herein. Such conditions and permits include those cited within or attached as exhibits to the license document, as well as any existing at the time of the issuance of the license but not cited or attached, and permits or conditions issued or modified during the term of the license.</p>
<p>X. Confidential information. Metro Code: 5.01.137(f)</p>	<p>Confidential information. The Licensee may identify as confidential any reports, books, records, maps, plans, income tax returns, financial statements, contracts and other similar written materials of the Licensee that are directly related to the operation of the facility and that are submitted to or reviewed by Metro. Licensee shall prominently mark any information that it claims confidential with the mark "CONFIDENTIAL" prior to submittal to or review by Metro. Metro shall treat as confidential any information so marked and will make a good faith effort not to disclose such information unless Metro's refusal to disclose such information would be contrary to applicable Oregon law, including, without limitation, ORS Chapter 192. Within five (5) days of Metro's receipt of a request for disclosure of information identified by Licensee as confidential, Metro shall provide Licensee written notice of the request. Licensee shall have three (3) days within which time to respond in writing to the request before Metro determines, at its sole discretion, whether to disclose any requested information. Licensee shall pay any costs incurred by Metro as a result of Metro's efforts to remove or redact any such confidential information from documents that Metro produces in response to a public records request. Nothing in this Section 13.0 shall limit the use of any information submitted to or reviewed by Metro for regulatory purposes or in any enforcement proceeding. In addition, Metro may share any confidential information with representatives of other governmental agencies provided that, consistent with Oregon law, such representatives agree to continue to treat such information as confidential and make good faith efforts not to disclose such information</p>
<p>Y. Deliver waste to appropriate destinations Metro Code: 5.01.120(b)</p>	<p>Deliver waste to appropriate destinations. The Licensee shall ensure that solid waste transferred from the facility goes to the appropriate destinations under Metro Code chapters 5.01 and 5.05, and under applicable local, state and federal laws, rules, regulations, ordinances, orders and permits;</p>

(Section 2 continued)

Issue	Performance Standard / Operating Requirement (license / franchise provision)
<p>Z. Enforcement Metro Code: 5.01.410(c)</p>	<p>Generally. Enforcement of the license shall be as specified in Metro Code.</p> <p>Authority vested in Metro. The power and right to regulate, in the public interest, the exercise of the privileges granted by this license shall at all times be vested in Metro. Metro reserves the right to establish or amend rules, regulations or standards regarding matters within Metro’s authority, and to enforce all such requirements against Licensee.</p> <p>No Enforcement Limitations. Nothing in this license shall be construed to limit, restrict, curtail, or abrogate any enforcement provision contained in Metro Code or administrative procedures adopted pursuant to Metro Code Chapter 5.01, nor shall this license be construed or interpreted so as to limit or preclude Metro from adopting ordinances that regulate the health, safety, or welfare of any person or persons within the District, notwithstanding any incidental impact that such ordinances may have upon the terms of this license or the Licensee’s operation of the facility.</p>
<p>AA. Indemnification. Metro Code: 5.01.120(d)</p>	<p>Indemnification. The Licensee shall indemnify and hold Metro, its employees, agents and elected officials harmless from any and all claims, damages, actions, losses and expenses including attorney’s fees, or liability related to or arising out of or in any way connected with the Licensee’s performance or failure to perform under this license, including patent infringement and any claims or disputes involving subcontractors.</p>
<p>BB. Modifications Metro Code: 5.01.180 5.01.410(d)</p>	<p>Modification. At any time during the term of the license, either the Chief Operating Officer or the Licensee may propose amendments or modifications to this license. The Chief Operating Officer has the authority to approve or deny any such amendments or modifications provided that the activities authorized in the amended or modified license do not require a Metro Solid Waste Facility Franchise under Metro Code Chapter 5.01. No amendment or modification pursuant to this section shall be effective unless in writing and executed by the Chief Operating Officer.</p> <p>Modification, suspension or revocation by Metro. The Chief Operating Officer may, at any time before the expiration date, modify, suspend, or revoke this license in whole or in part, in accordance with Metro Code Chapter 5.01, for reasons including but not limited to:</p> <ol style="list-style-type: none"> a. Violation of the terms or conditions of this license, Metro Code, or any applicable statute, rule, or standard; b. Changes in local, regional, state, or federal laws or regulations that should be specifically incorporated into this license; c. Failure to disclose fully all relevant facts; d. A significant release into the environment from the facility; e. Significant change in the character of solid waste received or in the operation of the facility; f. Any change in ownership or control, excluding transfers among subsidiaries of the Licensee or Licensee’s parent corporation; g. A request from the local government stemming from impacts resulting from facility operations. h. Compliance history of the Licensee.

(Section 2 continued)

Issue	Performance Standard / Operating Requirement (license / franchise provision)
<p>CC. Right of inspection and audit.</p> <p>Metro Code: 5.01.120(a) 5.01.135 (a)(b)(c)</p>	<p>Right of inspection and audit. Authorized representatives of Metro may take photographs, collect samples of materials, and perform such inspection or audit as the Chief Operating Officer deems appropriate, and shall be permitted access to the premises of the facility at all reasonable times during business hours with or without notice or at such other times upon giving reasonable advance notice (not less than 24 hours). Metro inspection reports, including site photographs, are public records subject to disclosure under Oregon Public Records Law. Subject to the confidentiality provisions in Section 13.5 of this license, Metro’s right to inspect shall include the right to review all information from which all required reports are derived including all books, maps, plans, income tax returns, financial statements, contracts, and other similar written materials of Licensee that are directly related to the operation of the Facility.</p>
<p>DD. Insurance</p> <p>Metro Code: 5.01.060(c)(1) 5.01.120(c)</p>	<p>General liability. The Licensee shall carry broad form comprehensive general liability insurance covering bodily injury and property damage, with automatic coverage for premises, operations, and product liability. The policy shall be endorsed with contractual liability coverage.</p> <p>Automobile. The Licensee shall carry automobile bodily injury and property damage liability insurance.</p> <p>Coverage Insurance coverage shall be a minimum of \$500,000 per occurrence. If coverage is written with an annual aggregate limit, the aggregate limit shall not be less than \$1,000,000.</p> <p>Additional insureds. Metro, its elected officials, departments, employees, and agents shall be named as ADDITIONAL INSURED.</p> <p>Worker’s Compensation Insurance. The Licensee, its subcontractors, if any, and all employers working under this license, are subject employers under the Oregon Workers’ Compensation Law shall comply with ORS 656.017, which requires them to provide Workers’ Compensation coverage for all their subject workers. Licensee shall provide Metro with certification of Workers’ Compensation insurance including employer’s liability. If Licensee has no employees and will perform the work without the assistance of others, a certificate to that effect may be attached in lieu of the certificate showing current Workers’ Compensation.</p> <p>Notification. The Licensee shall give at least 30 days written notice to the Chief Operating Officer of any lapse or proposed cancellation of insurance coverage.</p>
<p>EE. Financial assurance</p> <p>Metro Code: 5.01.060(c)(4)</p>	<p>Financial assurance The Licensee shall maintain financial assurance in an amount adequate for the cost of the facility’s closure and in a form approved by Metro for the term of the license, as provided in Metro Code section 5.01.060(c)(4).</p>

Section 3 –New application requirements, existing facility phase-in and renewal requirements, and variances

Issue	In addition to Metro’s current procedures and requirements for new applications and renewals, the following will also apply:
<p>FF. New application requirements (including applications from existing facilities seeking expanded authority)</p>	<p>New facilities and existing facilities seeking new or expanded authority to conduct reloading or material recovery will have to demonstrate compliance with all of the design requirements in the application process. Application submittals such as facility design, building plans, site plans and specifications that address the standards, must be prepared, as appropriate, by persons licensed in engineering, architecture, landscape design, traffic engineering, air quality control, and design of structures.</p>
<p>GG. Existing facility phase-in and renewal requirements</p>	<p>Upon adoption of the standards, existing facilities will have two years to demonstrate compliance with the requirement that all mixed non-putrescible waste tipping, storage, sorting and reloading activities must occur on an asphalt or concrete surface and inside a roofed building that is enclosed on at least three sides. Other than that requirement, no additional design requirements will be required for existing facilities. New or revised operating requirements will become part of a facility replacement license or franchise upon renewal for all facilities.</p>
<p>HH. Variances</p>	<p>This section is a placeholder and will provide that the Chief Operating Officer may grant specific variances from particular requirements of the standards adopted as administrative procedures to applicants for licenses or franchises.</p>

S:\REM\metzlerb\Facility Standards 2006\Revised Standards\Standards_revised Dec_2006.doc

Queue