



# County of Yolo

## WASTE ADVISORY COMMITTEE

c/o PLANNING AND PUBLIC WORKS DEPARTMENT  
DIVISION OF INTEGRATED WASTE MANAGEMENT

44090 County Road 28H  
Woodland, CA 95776  
(530) 666-8852 FAX (530) 666-8853  
[www.yolocounty.org/recycle](http://www.yolocounty.org/recycle)

### NOTICE

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**MEETING DATE:** THURSDAY, January 24, 2008  
**TIME:** 3:30 p.m.  
**PLACE:** **INTEGRATED WASTE MANAGEMENT  
ADMINISTRATION BUILDING  
CONFERENCE ROOM  
44090 COUNTY ROAD 29H  
WOODLAND, CA 95776**

### AGENDA

#### Introductions

#### Public Comment

An opportunity for members of the public to address the Waste Advisory Committee (WAC) on subjects relating to waste management. The Public Comment period is limited to 3 minutes per person, but no more than 10 minutes total. If further time is needed the WAC may choose to continue discussion at the end of this meeting or place the topic on a future agenda.

#### Consent Agenda

The following items are set aside as informational. If a WAC member wishes to discuss any item on the Consent Agenda, he or she may move it to the Regular Agenda.

1. Approve Meeting Minutes

#### Regular Agenda

2. Elect new Committee Chair and Vice Chair
3. Jurisdiction Updates – Yolo County, Cities of Davis, West Sacramento, Winters and Woodland; UC Davis
4. MAC (Meeting of Area Coordinators) Update
5. Non Disposal Facility Element Revision

#### Member Questions

Opportunity for members of the Waste Advisory Committee to ask questions, but not to take action, on waste management issues not listed under either the Consent or Regular Agenda items.

I declare under penalty of perjury that the foregoing agenda was posted January 22, 2007 by 8:00 a.m. on the bulletin board near the entrance of 292 West Beamer Street, Woodland of the County of Yolo, California.

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Linda Sinderson, Deputy Director  
Yolo County Planning and Public Works

### **\*\*NOTICE\*\***

If requested, this agenda can be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 and the Federal Rules and Regulations adopted in implementation thereof. Persons seeking an alternative format should contact Linda Sinderson, Deputy Director, for further information. In addition, a person with a disability who requires a modification or accommodation, including auxiliary aids or services, in order to participate in a public meeting should telephone or otherwise contact Linda Sinderson as soon as possible and preferably 24 hours prior to the meeting. Linda Sinderson may be reached at telephone number (530) 666-8859 or at the following address: Yolo County Planning and Public Works Department, 44090 County Road 28H, Woodland, CA 95776

**TABLE M-5 (Revised January 2008)**  
**UNINCORPORATED YOLO COUNTY NDFE**  
**AMENDMENT**  
**LANDFILL-BASED ANAEROBIC DIGESTION COMPOST PILOT PROJECT**  
**YOLO COUNTY CENTRAL LANDFILL**  
**Fact Sheet**

TYPE OF FACILITY	The landfill-based anaerobic digestion compost pilot project (AD project) will accept green waste material and will recover methane gas while decomposing the organic material into compost product. At the end of the process, the cell contents will be aerated, excavated, and cured for use as compost either on-site or off-site.
FACILITY CAPACITY	<p>Peak Loading: 500 tons per day  Average Loading: 100 tons per day  Maximum Annual Loading: 179,500 tons  (500 tpd @ 359 operating days per year)</p> <p>The initial anaerobic digestion cell is being built with the approximate dimensions of 100-feet-long by 200-feet-wide by 20-feet-high.</p> <p>Future operations will incorporate a batch reaction process with the size dependant upon the initial cell results.</p>
EXPECTED DIVERSION RATE	The diversion rate is expected to be greater than 95 percent
LOCATION	The AD project is located on a portion of the Yolo County Central Landfill, 44090 County Road 28H, Woodland, CA 95776
PARTICIPATING JURISDICTIONS	Unincorporated Yolo County, as well as the cities of Davis, Woodland, West Sacramento, and Winters will contribute material to the facility

**TABLE M-6 (Revised January 2008)**  
**UNINCORPORATED YOLO COUNTY NDFE**  
**AMENDMENT**  
**CONSTRUCTION, DEMOLITION AND INERTS FACILITY**  
**YOLO COUNTY CENTRAL LANDFILL**  
**Fact Sheet**

<p>TYPE OF FACILITY</p>	<p>The construction, demolition and inerts (CDI) facility will accept comingled and source separated CDI material. Some source separated material may be stockpiled for direct shipment to a recycler. The remaining source separated material and all of the comingled material will be transported off-site to the K&amp;M Recycle America Ramona Ave. facility (34-AA-0191), or similarly permitted facility. In the future, comingled material may be sorted at the facility prior to shipment off-site</p>
<p>FACILITY CAPACITY</p>	<p>Peak Loading: 500 tons per day  Average Loading: 50-150 tons per day  Maximum Annual Loading: 179,500 tons  (500 tpd @ 359 operating days per year)</p>
<p>EXPECTED DIVERSION RATE</p>	<p>The agreement the County has with the CDI operator requires a minimum of 50 percent diversion. The actual anticipated diversion rate is anticipated to be approximately 75 percent.</p>
<p>LOCATION</p>	<p>The CDI facility is located on a portion of the Yolo County Central Landfill, 44090 County Road 28H, Woodland, CA 95776</p>
<p>PARTICIPATING JURISDICTIONS</p>	<p>Unincorporated Yolo County, as well as the cities of Davis, Woodland, West Sacramento, and Winters will contribute material to the facility</p>

## **Project Descriptions**

### ***Landfill-Based Anaerobic Digestion Compost Pilot Project (AD project)***

The AD project encompasses aspects of both the expanded composting alternatives and bioreactor operation addressed in the Subsequent Environmental Impact Report (SEIR) as is being funded through a grant from the CIWMB. This demonstration project is being built on top of an existing, composite-lined Waste Management Unit (WMU). A soil or geosynthetic-lined cell will be constructed and loaded with organic material. Water will be added and recirculated to adjust the moisture content and optimize the digestion of the material and production of methane and carbon dioxide. The methane and carbon dioxide will be collected to generate electricity at the on-site facility. After the digestion is complete, the cell contents will be excavated, cured, and used as compost. Although the project will be constructed on a composite-lined WMU, this is not a waste disposal technology. It is designed to convert clean, source-separated organic materials into to electricity and compost. By placing the digester on top of an existing WMU to utilize the existing waste containment, and leachate and gas collection systems, the potential for environmental impacts as well as capital costs are reduced, making the project more cost effective.

The anaerobic digestion cell is being built with the approximate dimensions of 100-foot-long by 200-foot-wide by 20-foot-high with a liquid collection system installed prior to green waste placement. The gas recovery system and leachate recirculation system will be also installed during the filling process which is expected to take 4 to 6 months. Once the cell is filled with clean, ground, source-separated green waste, the cell will be capped; water added, collected and re-circulated; and gases collected and piped to the on-site power generation facility. At the end of the process, the cell contents will be aerated, excavated, and cured for use as compost.

Approval of the AD project was received from the LEA on May 18, 2007.

### **Construction, Demolition, and Inerts (CDI) Facility**

As part of this permit revision, the County is proposing to create a CDI diversion facility to target the mixed construction and demolition (C&D) materials received at the landfill. Mixed C&D material will be inspected at the scalehouse and then diverted to an area within the existing GWF which is operated by Waste Management Recycle America (WMRA) and will also be the operator of the CDI facility. Once the material is received at the facility, it will be inspected to ensure that the load contains primarily recyclable C&D components and that no hazardous waste is present. The material would then be dumped on an all-weather tipping pad created from asphalt and concrete rubble. The

material would then be loaded into a semi-truck and transferred to the Ramona Avenue large volume CDI processing facility in Sacramento (SWIS # 34-AA-0191). The material will then be processed with the recovered material being recycled and the residual being returned to the YCCL for disposal. Source separated loads of C&D (such as wood, cardboard, metal, etc) may also be accepted at the facility. Similar type material will be stockpiled at the facility until sufficient quantities were present to direct haul the material to a recycling vendor. In no case would the material be stockpiled for longer than 180 days.

As of the date of preparation of this JTD, the County has not officially entered into an agreement for the CDI facility and as such has not received a specific operating plan from the contractor. Because of this, the operational description included in this section is more general in nature. The operation will, however, be sufficiently similar that a revision of the JTD will not be required. Once the County enters into an agreement with the contractor, the contractor will submit a specific operating plan to the LEA for review and comment.

The CDI facility will accept all of the C&D material currently accepted at the YCCL, which averages approximately 50 to 150 tons per day (tpd), however it will be designed to accommodate up to 500 tpd to allow for future growth. At their off-site facility, the contractor will separate, process and market the following materials: concrete, asphalt, wood, metal, yard debris, gypsum, carpet padding, corrugated cardboard, mixed inerts. As part of the agreement with the County, the contractor will provide a guaranteed diversion rate of 50% with contract penalties for diversion rates less than 50%.