

**RIVERSIDE COUNTY  
SOLID WASTE MANAGEMENT ADVISORY COUNCIL  
(COUNTYWIDE LOCAL TASK FORCE)**

**AGENDA**

**Thursday  
July 17, 2008  
1:00 p.m.**

**Riverside County  
Waste Management Department  
14310 Frederick Street  
Moreno Valley, CA 92553**

**12:30 pm - Lunch Served to Members**

<b><u>ITEM</u></b>	<b><u>PAGE</u></b>
<b>1. CALL TO ORDER AND INTRODUCTIONS</b>	
<b>2. COMMENTS FROM LTF MEMBERS</b>	
<b>3. APPROVAL OF APRIL 10, 2008 ADVISORY COUNCIL MINUTES.....</b>	<b>1 - 10</b>
<b>4. ACTION ITEMS</b>	
<b>A. Riverside County Nondisposal Facility Element Amendment No. 2008-1 for         MacTec Recycling Facility .....</b>	<b>11 - 13</b>
<b>B. City of Banning Nondisposal Facility Element Amendment for Liberty XXIII         Renewable Energy Power Plant Project.....</b>	<b>14 - 17</b>
<b>5. STAFF UPDATES</b>	
<b>A. Legislative Update</b>	
<b>B. Greenwaste Subcommittee Update</b>	
<b>6. PUBLIC COMMENTS</b>	
<b>7. ANNOUNCEMENTS</b>	
<b>8. ADJOURNMENT</b>	

**NOTE: The Advisory Council may take action on any of the published agenda items.**

Non-exempt materials related to an item on this agenda submitted to the Solid Waste Management Advisory Council (Countywide Local Task Force) after distribution of the agenda packet are available for public inspection at the Waste Management Department during normal business hours. Such documents are also available on the Waste Management Department's website at [www.rivcowm.org](http://www.rivcowm.org) subject to staff's ability to post the documents before the meeting.

**MINUTES**  
**(Pages 1 – 10)**

**Intentionally Left Out**  
**Not Yet Approved**



**Riverside County  
Waste Management Department**

*Hans W. Kernkamp, General Manager-Chief Engineer*

**SUBMITTAL TO THE SOLID WASTE MANAGEMENT ADVISORY COUNCIL  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

**FROM:** Waste Management Department

**SUBMITTAL DATE:** July 17, 2008

**SUBJECT:** Riverside County Non-Disposal Facility Element (NDFE) Amendment 2008-1 for MacTec Recycling Facility (formerly, Rios Recycling)

**RECOMMENDED MOTION:** The Solid Waste Management Advisory Council/Countywide Local Task Force (LTF) has reviewed Amendment 2008-1 to the Riverside County NDFE for MacTec Recycling Facility and has found that the amendment will not result in adverse regional impacts and will assist Riverside County in meeting AB 939 recycling goals. The LTF recommends that the Board of Supervisors approve the proposed amendment.

**BACKGROUND:** The Riverside County NDFE is a required element of the Countywide Integrated Waste Management Plan (CIWMP). The NDFE identifies and describes existing, proposed, and any proposed expansion of existing Non-disposal facilities that will be needed to implement the County's Source Reduction and Recycling Element (SRRE). The Riverside County NDFE, which was originally approved by the Riverside County Board of Supervisors on November 29, 1994 and approved by the California Integrated Waste Management Board  
*(Cont'd)*

Hans W. Kernkamp  
General Manager-Chief Engineer

**MINUTES OF THE SOLID WASTE MANAGEMENT ADVISORY COUNCIL**

On the motion of \_\_\_\_\_, seconded by \_\_\_\_\_, and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes:  
Noes:  
Absent:

\_\_\_\_\_  
Frances Trevino  
Executive Assistant

**Submittal to LTF**

**NDFE Amendment 2008-1 for MacTec Recycling Facility**

**July 17, 2008**

**Page 2**

(CIWMB) on May 23, 1995, has been kept current through the amendment process and through the County's annual reports to the CIWMB. The proposed NDFE Amendment 2008-1 will add Table A-17 to the NDFE, which identifies and describes the MacTec Recycling Facility (see attached).

**Project Description**

MacTec Recycling (formerly known as Rios Recycling) has been operating a permitted 200-ton per day (tpd) wood waste chipping and grinding facility within the Agua Mansa Enterprise Zone, at 1765 Brown Avenue, Riverside, CA 92509 since 2005. The facility is currently permitted under Plot Plan 14766, Revised Permit No. 2 from the Planning Department and an EA Notification Tier Permit from the Local Enforcement Agency (LEA) of Riverside County. The facility operator has been required by the LEA to upgrade his EA Notification Tier Permit to a Registration Tier Permit, so as to allow the facility to operate as a Medium Volume Construction, Demolition and Inert Debris (CDI) Facility. As such, the facility operation would incorporate the additional functions of collecting, separating, grinding, baling, and/or transferring CDI materials.

Under a Revised Permit No. 3 of the plot plan and a Registration Tier Permit, the MacTec Recycling Facility will continue to operate at a maximum daily capacity of 200 tpd. The material types to be received and processed at the facility will be expanded beyond wood waste and tree trimmings to include C&D inert debris and commingled construction recyclables. A materials list is shown in the attached Table A-17.

**LTF Action on NDFE Amendment**

The proposed CDI facility will consist of solid waste processing and transfer operations and requires a Registration Tier permit to operate, which, in turn, requires the facility be identified and described in the County's NDFE in order to be found in conformance with the Riverside Countywide Integrated Waste Management Plan. The LTF is being asked to concur with the proposed NDFE Amendment 2008-1 for the MacTec Recycling Facility and to concur with Department staff's finding that the facility's recycling operation will not result in adverse regional impacts and will assist jurisdictions in meeting AB 939 diversion requirements. Any LTF recommendations or comments will be forwarded to the Board of Supervisors, who is required to conduct a noticed public hearing for the adoption of the NDFE amendment. Department staff will also transmit a copy of the NDFE amendment to each of the Riverside County cities within 30 days of the County adoption of the amendment. Department staff is also required to transmit copies of the NDFE amendment to the CIWMB, along with a copy of the public notice for the public hearing, a copy of the resolution adopting the NDFE amendment, and a copy of the LTF comments. The CIWMB has a 60-day review period for consideration of approval of the amendment to the NDFE. The NDFE and its amendments are not subject to environmental review under the California Environmental Quality Act (CEQA).

PD #67772

**Table A-17  
County of Riverside NDFE  
Mactec Recycling Facility**

<b>Type of Facility</b>	The Mactec Recycling Facility is a Medium Volume Construction & Demolition Inert Debris (CDI) recycling operation, which will receive, sort, and recycle mixed CDI materials and chip and grind wood waste, including construction lumber and landscaping tree trimming materials. The mixed CDI materials consist of new and used lumber, shipping pallets, wooden crates and other wood debris, cardboard, film and rigid plastics, white paper, foam plastics, metal scrap, California Redemption Materials and other recyclables, generated from new residential construction and demolition (C&D) sites. The tree trimming materials consist of twigs, branches and logs received from local landscapers. No grass clippings, municipal solid waste, designated, special, medical, or hazardous wastes are accepted at the facility.
<b>Facility Capacity</b>	The facility is designed to receive 200 tons per day (tpd) of wood waste and mixed C&D debris and is capable of holding 200 tons of processed materials.
<b>Expected Diversion Rate</b>	100% of both wood and CDI materials are recycled. It is estimated that less than 1% of putrescibles may be present in the mixed CDI.
<b>Participating Jurisdictions</b>	The facility will serve the County of Riverside and cities within the western Riverside County area.
<b>Location</b>	The MacTec Recycling Facility is located on approximately 2.5 acres in an unincorporated area of Agua Mansa Industrial Park in the northwest portion of Riverside County at 1765 Brown Avenue, Riverside, CA 92509.

*Source: Draft MacTec Inc. Medium Volume CDI Facility Operation Plan, dated May 22, 2008.*



**Riverside County  
Waste Management Department**

*Hans W. Kernkamp, General Manager-Chief Engineer*

**SUBMITTAL TO THE SOLID WASTE MANAGEMENT ADVISORY COUNCIL  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

**FROM:** Waste Management Department

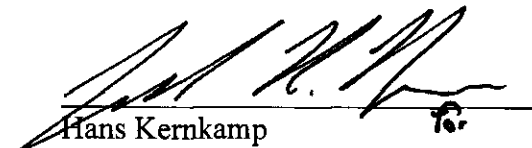
**SUBMITTAL DATE:** July 17, 2008

**SUBJECT:** City of Banning Nondisposal Facility Element (NDFE) Amendment for Liberty  
XXIII Renewable Energy Power Plant Project

**RECOMMENDED MOTION:** The Solid Waste Management Advisory Council/Countywide Local Task Force (LTF) has reviewed the amendment to the City of Banning NDFE for the Liberty XXIII Energy Power Plant Project and offers the following comments on the NDFE Amendment for consideration by the City of Banning City Council and the California Integrated Waste Management Board (CIWMB):

1. As a gasification facility, using both biomass and biosolids as fuel to produce electricity, the facility will assist the City and other jurisdictions using the facility in diverting biomass materials from landfill disposal in compliance with AB 939 goals, but will preclude the City and other jurisdictions from claiming biomass credits for the biomass materials utilized as fuel, so long as it is allowed by State regulations.
2. The facility offers an alternative to using processed greenwaste as landfill alternative daily cover.

*(Cont'd)*



Hans Kernkamp  
General Manager-Chief Engineer

**MINUTES OF THE SOLID WASTE MANAGEMENT ADVISORY COUNCIL**

On the motion of \_\_\_\_\_, seconded by \_\_\_\_\_, and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes:  
Noes:  
Absent:

\_\_\_\_\_  
Frances Trevino  
Executive Assistant

**ITEM 4.B.**

**Submittal to LTF  
Amendment to City of Banning NDFE  
Liberty XXIII Renewable Energy Power Plant Project  
July 17, 2008**

**Projection Description**

The Liberty XXIII Renewable Energy Power Plant Project is a proposal to develop and operate a gasification facility on 20.3 acres in the southeastern portion of the City of Banning, approximately 0.6 miles east of the intersection of Scott Street and Westward Avenue at the eastern terminus of Westward Avenue.

As proposed, the Liberty Energy facility will have three power generation units (trains) that will be fueled with a mixture of biosolids and biomass, the amounts of which would vary depending on the fuel combination used. The facility is anticipated to produce 15 megawatts of power for the City of Banning. The biomass portion of the facility would include a green and wood waste chipping/grinding and storage component, designed to grind up to a maximum of 1,500 tons per day of unprocessed biomass, but the facility would accept both unprocessed and pre-processed biomass. Biomass materials would include cellulosic plant material from forest waste, arbor waste, agricultural waste, clean dimensional lumber, and urban greenwaste.

The facility is being designed to receive a maximum of 1,500 tons per day of biomass and a maximum of 2,250 tons per day of biosolids from wastewater treatment facilities. A maximum of 750 tons of processed biomass and a maximum of 1,800 tons of biosolids would be fed into the power plant each day for energy production. Up to 300 tons of non-hazardous ash would be produced by the project each day. It is likely that the ash will be marketed as an admixture for concrete production or used as an alternative daily cover at landfill sites or in other beneficial uses. It is projected that the facility will divert approximately 90% of the materials it receives.

**LTF Action on NDFE Amendment**

According to staff at the California Integrated Waste Management Board (CIWMB), a gasification facility is not regulated by the CIWMB, but since the facility is not disposal, not transformation, not composting, and not a construction, demolition and inert (CDI) facility, it will be processed pursuant to Transfer/Processing Operations and Facilities Regulatory Requirements (CCRs, Title 14, Div. 7, Article 6.0, §17400-§17405.0), requiring a Solid Waste Facility Permit to operate. State regulations and permitting requirements require that the facility be, at a minimum, identified and described in the NDFE of the jurisdiction where the facility is located.

For this reason, the LTF is being asked to comment on an amendment to the NDFE for the City of Banning, considering issues, such as the regional effects of the project and its ability to assist the City of Banning and other jurisdictions in meeting AB 939 diversion requirements. In this regard, the biomass materials that are diverted from landfill disposal through this process do assist jurisdictions with their diversion requirements. However, as a gasification facility using both biosolids and biomass as fuel, jurisdictions are disqualified from claiming biomass credits for biomass materials processed at the facility, unlike a biomass to energy facility (i.e., Colmac Energy in Thermal), where the amount of biomass utilized in the process currently adds to the diversion achieved by a jurisdiction. Lastly, it has been indicated that the facility will target grass and yard clippings and the more difficult to compost biomass materials, which offers an alternative to using these materials for alternative daily cover (ADC) at the landfill.

**Submittal to LTF  
Amendment to City of Banning NDFE  
Liberty XXIII Renewable Energy Power Plant Project  
July 17, 2008**

Any LTF comments will be forwarded to City representatives to conduct a noticed public hearing before their City Council for the adoption of a resolution approving the NDFE amendment. Within 30 days of adoption, City representatives are required to transmit a copy of the NDFE amendment to each jurisdiction within Riverside County, including the unincorporated County. City representatives are also required to transmit copies of the NDFE amendment to the CIWMB, along with a copy of the public notice for the public hearing, a copy of the resolution, and a copy of the LTF's comments. The CIWMB has a 60-day review period for consideration of approval of the amendment to the NDFE. The NDFE and its amendments are not subject to environmental review under the California Environmental Quality Act (CEQA).

PD #68056v1

**Table A-1  
City of Banning NDFE  
Liberty XXIII Renewable Energy Power Plant Project (Contingent)**

<b>Type of Facility</b>	A 20.3 –acre biosolids and biomass power plant (BBPP), Liberty Energy is a proposed Transfer/Processing operation that will use gasification to produce approximately 15 megawatts (MW) of power for the City of Banning. The BBPP is anticipated to have three power generation units (trains) that would be fueled with a mixture of biosolids and biomass, the amounts of which would vary depending on the fuel combination used. The biomass portion of the facility would include a green and wood waste chipping/grinding and storage component. The proposed project would produce up to 300 tons of non-hazardous fly ash per day. The ash would likely be marketed as an admixture for concrete production, used as an alternative for daily cover at landfill sites or serve other beneficial uses.
<b>Facility Capacity</b>	Liberty Energy is proposing to receive a maximum of 1,500 tons per day of biomass including cellulosic plant material from forest waste, arbor waste, agricultural waste, clean dimensional lumber, and urban Greenwaste. Both processed and pre-processed biomass would be accepted at the facility. The facility would be designed to grind and screen up to a maximum of 1,500 tons per day of unprocessed biomass. The Proposed Project would feed up to a maximum of 750 tons of processed biomass per day into the power plant for energy production. A maximum of 2,250 tons per day of biosolids from wastewater treatment facilities would be received by the Proposed Project. The proposed site would feed up to a maximum of 1,800 tons per day of biosolids into the power plant for energy production.
<b>Expected Diversion Rate</b>	Approximately 90%.
<b>Participating Jurisdictions</b>	Incorporated and unincorporated areas of the following counties: San Diego County; Ventura County; San Bernardino County; Los Angeles County; Orange County; Riverside County; Imperial County; and Kern County.
<b>Location</b>	The Proposed Project would be located approximately 0.6 miles east of the intersection of Scott Street and Westward Avenue at the eastern Terminus of Westward Avenue in the southeastern portion of the City of Banning, Riverside County, California. The proposed plant is located on 20.3 acres across three parcels, south of Westward Avenue, identified with Assessor’s Parcel Numbers 532-180-034, 532-180-035, and 532-180-038. The project site spans partially across all three parcels. The legal description of the property is Township 3 South, Range 1 East, Section 14 San Bernardino Baseline and Meridian.

Source: Liberty XXIII Renewable Energy Power Plant Project, Draft Environmental Impact Report, June 2008 prepared by City of Banning, CA for Liberty XXIII Biofuels Power LLC, City of Banning, CA.