Long Term Facility Needs Study for Salinas Valley Recycles

Salinas Valley Solid Waste Authority & AECOM

Public Scoping Meeting
May 2, 2017 at 1:30 pm
Meeting location: Salinas Valley Solid Waste Authority
128 Sun Street, #101, Salinas, CA 93901
Introduction

- Salinas Valley Solid Waste Authority (Authority) is responsible for long-term and cost-effective solid waste disposal and resource recovery services to its members.

- The Authority has been considering a new location for its operations, and potential for a permanent materials recovery facility and transfer station, which would allow for the Authority to implement State law mandates to increase recycling and diversion activities.

- The new facilities may involve a single site or a mix of locations within Monterey County.
Regulatory Framework and Requirements

- **AB 939** requires local jurisdictions to implement programs to achieve 25 percent diversion of all solid waste from disposal by January 1, 1995, and 50 percent diversion by January 1, 2000.
- **AB 341** requires mandatory commercial recycling, and establishes a new statewide goal of 75 percent recycling.
- **AB 1826** requires businesses to recycle organic waste on and after April 1, 2016; requires local jurisdictions to implement organic waste recycling programs to divert waste away from landfills beginning on January 1, 2016.
- **AB 876** requires counties and regional agencies to estimate the amount of organic waste in their area over a 15-year period, estimate how much additional organic waste recycling facility capacity will be needed, and identify locations for new or expanded facilities.
Project Objectives

- Reduce solid waste disposal at the Authority’s landfill.
- Increase recycling and reuse per State mandates.
- Continue providing comprehensive solid waste recovery and disposal services to the jurisdictions served by the Authority.
- Evaluate a permanent solid waste transfer station and materials recovery center in the Salinas area to replace existing facility, or closure and redirection to Monterey Regional Waste Management District (MRWMD).
- Local integrated waste recovery system with Clean Fiber and Organics Recovery System (CFORS) technology, or contracted use of MRWMD Landfill and/or resource recovery facilities.
- Minimize land use conflicts and environmental impacts.
Project Background and History

- **1998 – present:** The Authority has been considering a permanent materials recovery and transfer station site (station).

- **2002:** A station was pursued at 135 and 139 Sun Street following unsuccessful negotiations to purchase the Madison Lane site.

- **2008 – present:** The existing Sun Street location is within an area being considered for redevelopment by the City of Salinas.

- **2008:** The City requested the Authority to consider relocating outside the proposed redevelopment area.
Project Background and History

- 2008 – 2013: A potential relocation of the facility to a site on Work Street was considered.

- 2008: A Memorandum of Understanding was executed between the City and the Authority identifying a City owned site on Work Street as a preferred relocation site.

- 2013: The City determined that the Work Street site should continue as a leased property housing an asphalt batch plant.

- 2015: The Authority Board directed staff to prepare an EIR evaluating multiple scenarios and sites for a materials recover center and/or private development of CFOR System.
Project Site Locations

• The Project involves the construction and operation of a permanent municipal solid waste materials recovery center consisting of one or more facility locations.

• The location sites include:
  • Harrison Road
  • Sun Street
  • Crazy Horse Landfill
  • Johnson Canyon Landfill
  • Contract use of the Monterey Regional Waste Management District (MRWMD) landfill and/or materials recovery facility

• The scenarios may involve one or more of these sites, with different options for waste handling and operations as shown in the following table and figure.
### Table 1 – Summary of Alternative/Scenario Sites and Overall Operations

<table>
<thead>
<tr>
<th>Location</th>
<th>Facility Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrison Road</td>
<td>• Clean Fiber and Organics Recovery System</td>
</tr>
<tr>
<td></td>
<td>• Transfer Station</td>
</tr>
<tr>
<td></td>
<td>• Recycling Center</td>
</tr>
<tr>
<td></td>
<td>• Household Hazardous Waste (HHW) facility</td>
</tr>
<tr>
<td></td>
<td>• Maintenance Building</td>
</tr>
<tr>
<td></td>
<td>• SVSWA Office Building</td>
</tr>
<tr>
<td>Sun Street</td>
<td>• Transfer Station</td>
</tr>
<tr>
<td></td>
<td>• Recycling Center</td>
</tr>
<tr>
<td></td>
<td>• HHW Facility</td>
</tr>
<tr>
<td></td>
<td>• Maintenance Building</td>
</tr>
<tr>
<td>Crazy Horse Landfill</td>
<td>• Transfer Station</td>
</tr>
<tr>
<td></td>
<td>• Recycling Center</td>
</tr>
<tr>
<td></td>
<td>• HHW Facility</td>
</tr>
<tr>
<td>Johnson Canyon Landfill</td>
<td>• Clean Fiber and Organics Recovery System</td>
</tr>
<tr>
<td>No Salinas Facility</td>
<td>• No new facilities</td>
</tr>
<tr>
<td></td>
<td>• All Salinas and North Monterey County franchise tonnage and self-</td>
</tr>
<tr>
<td></td>
<td>haulers to MRWMD for burial or processing</td>
</tr>
<tr>
<td></td>
<td>• Existing Sun Street facility closes with Authority staff reductions</td>
</tr>
</tbody>
</table>
Harrison Road
Proposed Transportation Map

HARRISON / SALA ROAD

Self Haul Routes
Franchise Routes
SVR Transfer Route JCL
SVR Transfer Route MRWMD
Sun Street
Sun Street Transfer Facility
Conceptual Plan
Proposed Transportation Map

- SUN STREET
- Highway 101
- Franchise Routes
- Self Haul Routes
- SVR Transfer Route JCL
- SVR Transfer Route MRWMD

Sun Street Transfer Station
Crazy Horse Landfill
Crazy Horse Landfill Conceptual Plan
Proposed Transportation Map

CRAZY HORSE

Self Haul Routes
Franchise Routes
SVR Transfer Route JCL
SVR Transfer Route MRWMD
Johnson Canyon Landfill
Johnson Canyon Landfill Conceptual Plan
Proposed Transportation Map

- Self Haul Routes
- Franchise Routes
- SVR Transfer Route

JOHNSON CANYON

- JOHNSON CANYON Landfill
- Gloria St.
- 5th St.
- Iverson Rd.
- Highway 101
- Dean
- 5th St.
MRWMD Landfill/MRF
Proposed Transportation Map

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Waste Import Routes
MRWMD Service Routes
SVR Self Haul Routes
SVR Franchise/X-fer Routes
Project Characteristics and Components

- In general, these project characteristics are applicable in some form to each scenarios planned for the different site alternatives.
  - Commercial and Public Scales and Scale House
  - Transfer Station
  - Materials Recovery Center
  - Household Hazardous Waste (HHW) and Recycling Drop-Off Area
  - Clean Fiber and Organics Recovery System, or contracted use of MRWMD materials recovery facility
  - Administration Offices/Staff Facilities
  - Maintenance Building
  - Outdoor Areas
## Alternative Scenarios Details

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Facility Description</th>
<th>Proposed Location(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td><strong>All Alternative Scenarios at Harrison Road</strong>&lt;br&gt;• Up to 1,500 tons per day facility&lt;br&gt;• Materials processed: municipal solid waste, yard waste, recyclables, HHW&lt;br&gt;• From Salinas and North County franchise haulers and self-haulers&lt;br&gt;• Clean Fiber and Organics Recovery System&lt;br&gt;• Materials Recovery Center&lt;br&gt;• HHW collection facility&lt;br&gt;• Transfer station&lt;br&gt;• Administrative offices&lt;br&gt;• Salvaged material sales&lt;br&gt;• Existing Sun Street facility closes</td>
<td>Harrison Road</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td><strong>Transfer Station</strong>&lt;br&gt;• Up to 1,000 tons per day facility at one of 3 proposed sites&lt;br&gt;• Municipal solid waste, yard waste, recyclables, HHW&lt;br&gt;• From Salinas and North County franchise haulers and self-haulers&lt;br&gt;• Recycling Center&lt;br&gt;• HHW collection facility&lt;br&gt;• Transfer station to move consolidated materials to Clean Fiber Recovery System facility (Scenario 3) for processing and/or directing wastes to a landfill&lt;br&gt;• Sun Street facility closes if either of the other two sites are pursued</td>
<td>Sun Street, Crazy Horse Landfill, Harrison Road</td>
</tr>
</tbody>
</table>
## Alternative Scenarios Details

### 3. Clean Fiber and Organics Recovery System
- Up to 1,200 tons per day facility at one of 2 proposed sites
- Global Organics Energy clean fiber and organics recovery system
- Existing Sun Street facility closes if either of the other two sites under Scenario 2 above are pursued

<table>
<thead>
<tr>
<th>Harrison Road</th>
<th>Johnson Canyon Landfill</th>
</tr>
</thead>
</table>

### 4. No Salinas Facility
- No new facilities
- All Salinas and North Monterey County franchise tonnage direct hauled to Monterey Regional Waste Management District for landfill burial or materials recovery processing
- All self-haulers directed to MRWMD for public drop-off services
- Existing Sun Street facility closes with Authority staff reductions

<table>
<thead>
<tr>
<th>Monterey Regional Waste Management District (MRWMD)</th>
</tr>
</thead>
</table>

### 5. “No Project” – Minor expansion of Sun Street facility with or without MRWMD
- Up to 600 tons per day (existing Sun Street facility is expanded to accommodate additional tonnage)
- Salinas franchise solid waste and green waste received at Sun Street
- North county franchise solid and green waste received at Madison Lane
- Self-haulers choose Sun Street or Madison Lane
- Recycling Center for self-haul customers
- HHW Collection facility
- Tonnage transferred to Johnson Canyon Landfill, and/or
- Select tonnage transferred to MRWMD for materials recovery processing

<table>
<thead>
<tr>
<th>Sun Street</th>
<th>MRWMD</th>
</tr>
</thead>
</table>
Environmental Impact Studies

- Aesthetics
- Air Quality/GHG Emissions
- Agricultural Resources
- Community Impacts
- Cultural Resources
- Growth Inducing Impacts
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration
- Public Services
- Transportation/Traffic
- Utilities
- Cumulative Impacts
# Potential Permits or Approvals

<table>
<thead>
<tr>
<th>Regulatory Agency</th>
<th>Potential Permit, Authorization, or Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE AGENCIES</strong></td>
<td></td>
</tr>
<tr>
<td>CalRecycle</td>
<td>Solid Waste Facility Permit</td>
</tr>
<tr>
<td><strong>REGIONAL AGENCIES</strong></td>
<td></td>
</tr>
<tr>
<td>Salinas Valley Solid Waste Authority</td>
<td>Project approval</td>
</tr>
<tr>
<td>Regional Water Quality Control Board</td>
<td>General Permit for Storm Water Discharges Associated with Industrial Activities and Notice of Intent to Comply with NPDES Construction Permit, if disturbing more than 1 acre of land.</td>
</tr>
<tr>
<td>Monterey Bay Unified Air Pollution Control District</td>
<td>Authority to Construct and Permit to Operate</td>
</tr>
</tbody>
</table>
| Monterey Regional Waste Management District (MRWMD) | CEQA review of impacts and document approval  
Health and Safety Code, Sections 4100-4165 Authority |
<table>
<thead>
<tr>
<th>Monterey County</th>
<th>Resource Management Agency (RMA)</th>
<th>Use Permit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Possible rezone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Site Plan and Design Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Construction Permits (e.g., grading, demolition, building)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drainage/Stormwater Review</td>
</tr>
<tr>
<td></td>
<td>Environmental Health Bureau (EHB)</td>
<td>Solid Waste Facility Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hazardous Material Business Response Plan Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hazardous Waste Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aboveground Storage Tank Permit (if storage of petroleum is over 1,320 gallons)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Underground Storage Tank Permit (if not removed)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Underground Storage Tank (UST) Removal Permit (if removed)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Waste Tires Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Solid Waste Truck Yard Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Solid Waste Truck Permit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large Volume Transfer Station Permit</td>
</tr>
</tbody>
</table>
Comments or Questions?