CITY OF MORRO BAY
CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
UPGRADE PROJECT
Draft Environmental Impact Report

PUBLIC MEETING PRESENTATION
October 4, 2010
October 14, 2010
PURPOSE AND AGENDA

• PURPOSE
  Provide an opportunity for agencies and the public to comment on the analysis included in the Draft Environmental Impact Report (EIR)

• AGENDA
  – CEQA Overview and EIR Process
  – Project Description, Need, Objectives
  – Impact Analysis and Methodology
  – Key Environmental Issues
  – CEQA Schedule
  – Public Comments
California Environmental Quality Act (CEQA)

- **DISCLOSURE**
  Identify and disclose potential impacts to the environment

- **DECISION MAKING TOOL**
  Inform the public and decision-makers about potential environmental impacts

- **MITIGATION**
  Identify ways to avoid or reduce potential impacts
INTENDED USE OF AN EIR

• An EIR is an informational document that does not recommend approval or denial of the project.

• The Morro Bay Planning Commission, Morro Bay City Council, and Cayucos Sanitary District will consider the information in the EIR, in addition to other factors, in making a decision on the project.
EIR PROCESS

• PUBLIC SCOPING: Notice of Preparation
  – 30-day public review (Oct 28, 2008 to Nov 26, 2008)
  – Public scoping meeting (Nov 18, 2008)
  – Revised Notice of Preparation
  – 30-day public review (Oct 13, 2009 to Nov 11, 2009)

• DRAFT ENVIRONMENTAL IMPACT REPORT
  – 45-day public review (Sept 20, 2010 to Nov 4, 2010)
  – Notice of Availability of Draft EIR
  – Public meeting (Oct 4, 2010 and Oct 14, 2010)

• RESPONSE TO COMMENTS/FINAL EIR

• CERTIFICATION of FINAL EIR
PROJECT LOCATION

160 Atascadero Rd
Morro Bay, CA

Land Use/Zoning
=Light Industrial
EXISTING WWTP FACILITY

• **WWTP SERVICE AREA**
  City of Morro Bay and community of Cayucos
  WWTP owned and operated by City and CSD

• **CURRENT WWTP CAPACITY RATING:**
  Peak dry weather flow: 2.36 mgd
  2009 average daily flow: 1.09 mgd

• **CURRENT TREATMENT:**
  Secondary treatment capacity: 0.97 mgd
  Primary treatment only: >0.97 mgd
  If necessary, primary + secondary effluent is blended and disinfected.

• **OCEAN DISCHARGE**
  Outfall pipe extending 2900 feet offshore into Estero Bay.

• **BIOSOLIDS MANAGEMENT**
  Onsite and offsite composting.
PROJECT NEED

• National Pollutant Discharge Elimination System (NPDES) Permit issued by USEPA and Central Coast RWQCB.
• NPDES permit allows for discharge of primary + secondary blended effluent, per Section 301(h) of the federal Clean Water Act
• City and CSD have committed to upgrading the WWTP to at least full secondary treatment

➔ Project would provide secondary treatment to all effluent discharged to Estero Bay.
➔ Project would provide tertiary filtration, exceeding requirements of Central Coast RWQCB.
PROJECT OBJECTIVES

• RENEW DISCHARGE PERMIT
  Phase out CWA Section 301(h) modified NPDES permit

• INCREASE LEVEL OF TREATMENT
  Comply with secondary treatment standards (40 CFR 133)

• MINIMIZE FLOODING IMPACTS
  Minimize flooding onsite and offsite

• FUTURE RECYCLED WATER USE
  Accommodate future production of disinfected tertiary recycled water for unrestricted use, per Title 22
PROPOSED PROJECT

• NEW FACILITIES:
  – Build new treatment plant / demolish old treatment plant

• MAINTAIN CAPACITY:
  – Peak season dry weather flow capacity = 1.5 mgd

• UPGRADE TREATMENT PROCESS:
  – Upgrade to full-secondary treatment with tertiary filtration

• IMPROVE EFFLUENT QUALITY (Title 22 CCR):
  – Disinfected secondary-23 recycled water
  – Future improvements for disinfected tertiary recycled water

• BENEFICIAL USE of RECYCLED WATER:
  – Onsite use at WWTP
  – Offsite use via truck filling station

• BIOSOLIDS MANAGEMENT:
  – Onsite composting discontinued
  – Increase in offsite composting (Kern County)
PRELIMINARY SITE LAYOUT
DRAFT EIR: Analysis & Methodology

• Aesthetics
• Agricultural Resources
• Air Quality/Greenhouse Gas Emissions
• Biological Resources
• Cultural Resources
• Geology, Soils, Seismicity
• Hazards/Hazardous Materials
• Hydrology/Water Quality

• Land Use
• Noise and Vibration
• Public Services
• Recreational Resources
• Transportation and Traffic
• Utilities and Energy
• Environmental Justice
IMPACT ANALYSIS BY RESOURCE

- **STEP 1:** Define Baseline = existing conditions
- **STEP 2:** Identify Criteria for Impact Assessment
- **STEP 3:** Apply Project and Identify Impacts
  - Construction and Operational Impacts
  - Direct and Indirect Impacts
  - Cumulative Impacts
DRAFT EIR: Analysis & Methodology

• IMPACT ANALYSIS BY RESOURCE

  – STEP 4: Determine Significance of Impacts

  • No Impact
  • Less than Significant
  • Less than Significant with Mitigation
  • Significant and Unavoidable
DRAFT EIR: Analysis & Methodology

- IMPACT ANALYSIS BY RESOURCE
  - STEP 4: Determine Significance of Impacts
    - No Impact
    - Less than Significant
    - Less than Significant with Mitigation
    - Significant and Unavoidable

No Significant and Unavoidable Impacts for the Project
ALTERNATIVES ANALYSIS

- An EIR need not consider every conceivable alternative to a project.
- Governed by a “Rule of Reason” (CEQA Guidelines, §15126.6(f))
- Avoid or Lessen Significant Project Effects
- Feasible Attainment of most Project Objectives
DRAFT EIR: Analysis & Methodology

• ALTERNATIVES ANALYSIS

No Project Alternative (CEQA requirement)

ALT 1: Full Secondary Treatment Alternative

ALT 2: Membrane Bioreactor Alternative

ALT 3: Chorro Valley Location Alternative

Proposed Project
DRAFT EIR: Analysis & Methodology

• ENVIRONMENTALLY SUPERIOR ALTERNATIVE

No Project Alternative (CEQA requirement)

ALT 1: Full Secondary Treatment Alternative

ALT 2: Membrane Bioreactor Alternative

ALT 3: Chorro Valley Location Alternative

Proposed Project
DRAFT EIR: Water Quality

• Project operation would result in an improvement to effluent water quality

→ No adverse impacts to ocean water quality or marine life due to discharge
→ Increased level of treatment requires more energy and generates more greenhouse gases (GHGs)
→ Tradeoff: energy use and GHG emissions in return for recycled water production
DRAFT EIR: Visual Impacts

• Project replaces industrial facilities on parcel designated for such use.
• Project to be built in accordance with zoning and building codes

→ No additional obstruction to scenic vistas from public scenic view points
→ No substantial impacts to visual character of the site
Operations Building Conceptual Design
DRAFT EIR: Construction Impacts

- Air emissions from construction equipment
- Noise and vibration from construction activities
- Hazardous materials near sensitive receptors
  - Morro Bay High School
  - Morro Dunes RV Park
- Storm water runoff water quality
- Dewatering discharge water quality
- Construction traffic on local roadways
- Potential for cultural resources
DRAFT EIR: Flooding Impacts

• Existing WWTP within 100-yr flood zone
• Project alters drainage pattern of site by removing the new WWTP from floodplain
• Demolish existing facilities to create a flood flow pathway

→ Avoid flood impacts onsite at WWTP
→ Avoid flood impacts on neighboring parcels, including Morro Bay High School
DRAFT EIR: Solid Waste Impacts

- Project eliminates onsite composting.
- Project operation increases volume of sludge/solids to be disposed offsite, out of County.

- Increase truck trips for sludge disposal.
- Truck trips affect both air quality and traffic.
- Increase offsite solid waste disposal.
  Increased volume of sludge will be hauled to Kern County for offsite composting.
## DRAFT EIR: Remaining Schedule

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<thead>
<tr>
<th>Event</th>
<th>2010</th>
<th>2011</th>
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<tbody>
<tr>
<td>Draft EIR 45-Day Review (Nov 4, 2010)</td>
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<td>Public Meetings (Oct 4 and Oct 14)</td>
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<td>Response to Comments (Nov/Dec 2010)</td>
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<td>Final EIR Released (Jan 2011)</td>
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<td>Certification (Jan 2011)</td>
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<td>Notice of Determination (Feb 2011)</td>
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PUBLIC COMMENTS

• Comments Cards are available tonight
• Written comments will be accepted until Nov 4th
• Written comments will receive written response
• Submit written comments to:
  Rob Livick, Public Services Director
  City of Morro Bay
  955 Shasta Ave, Morro Bay CA 93442

• Next public meeting:
  October 27 or 28, 2010
  Time and Location TBD