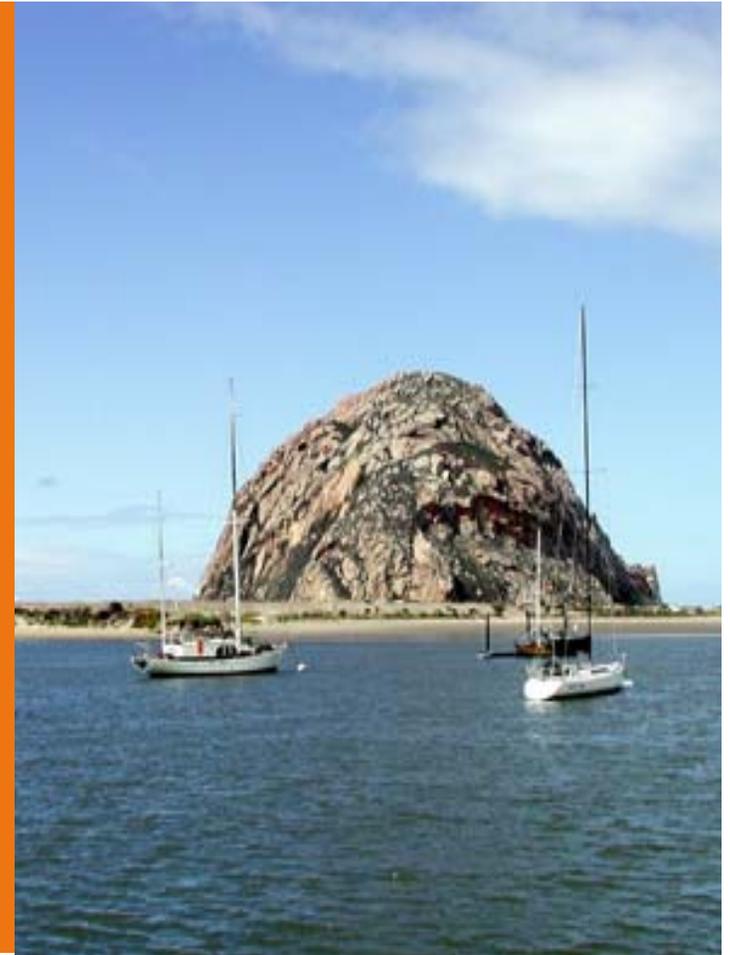


CITY OF MORRO BAY
CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
UPGRADE PROJECT
Draft Environmental Impact Report

PUBLIC MEETING PRESENTATION
October 4, 2010
October 14, 2010



ESA is where
solutions and
service meet.



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



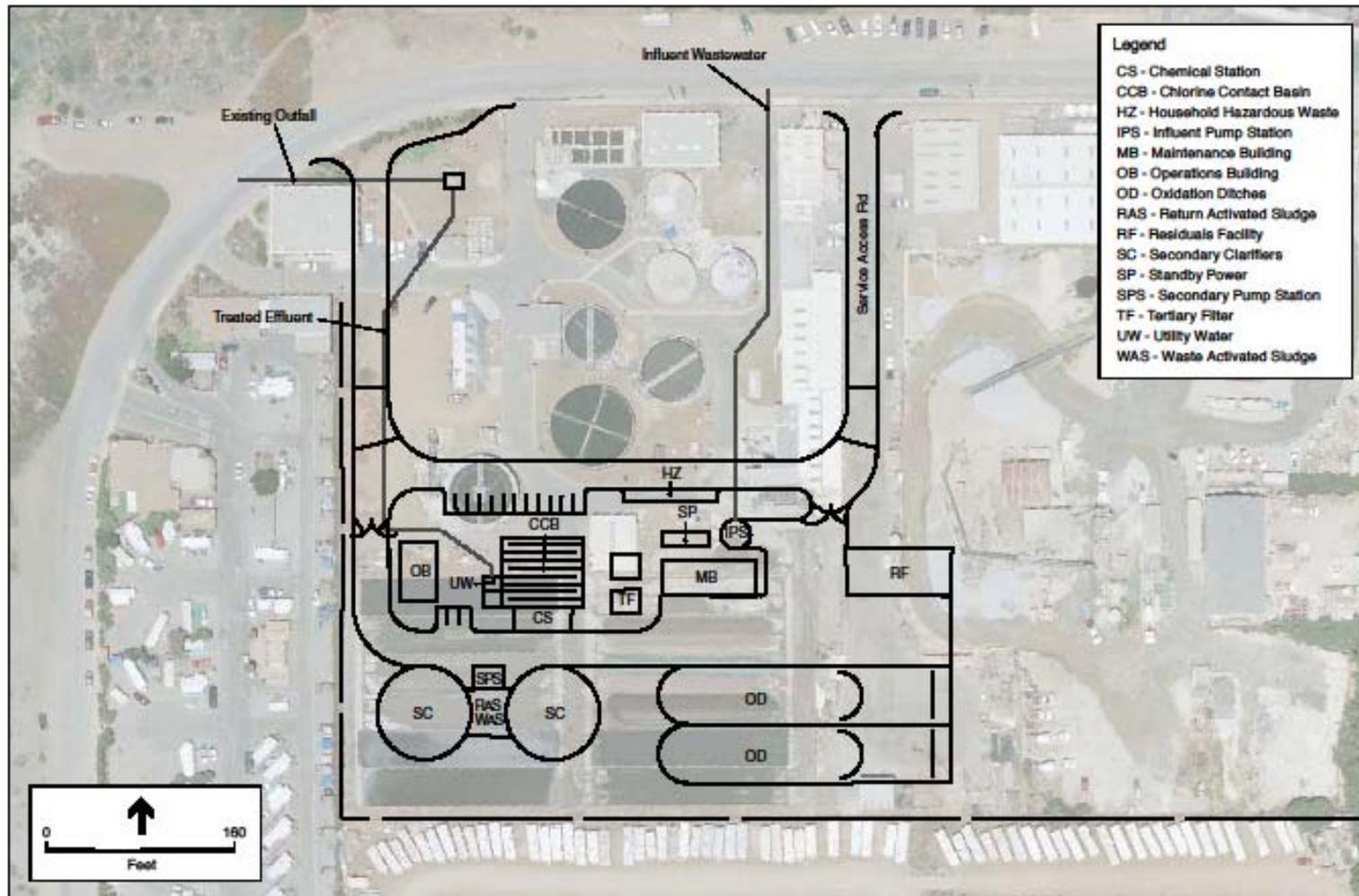


PROPOSED PROJECT

- **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





DRAFT EIR: Analysis & Methodology

- 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





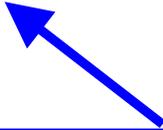
DRAFT EIR: Analysis & Methodology

- 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**

A blue arrow points from the yellow box to the text 'Significant and Unavoidable' in the list above.

No Significant and Unavoidable Impacts for the Project





DRAFT EIR: Analysis & Methodology

- 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





EXISTING



PROPOSED



KEYMAP





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





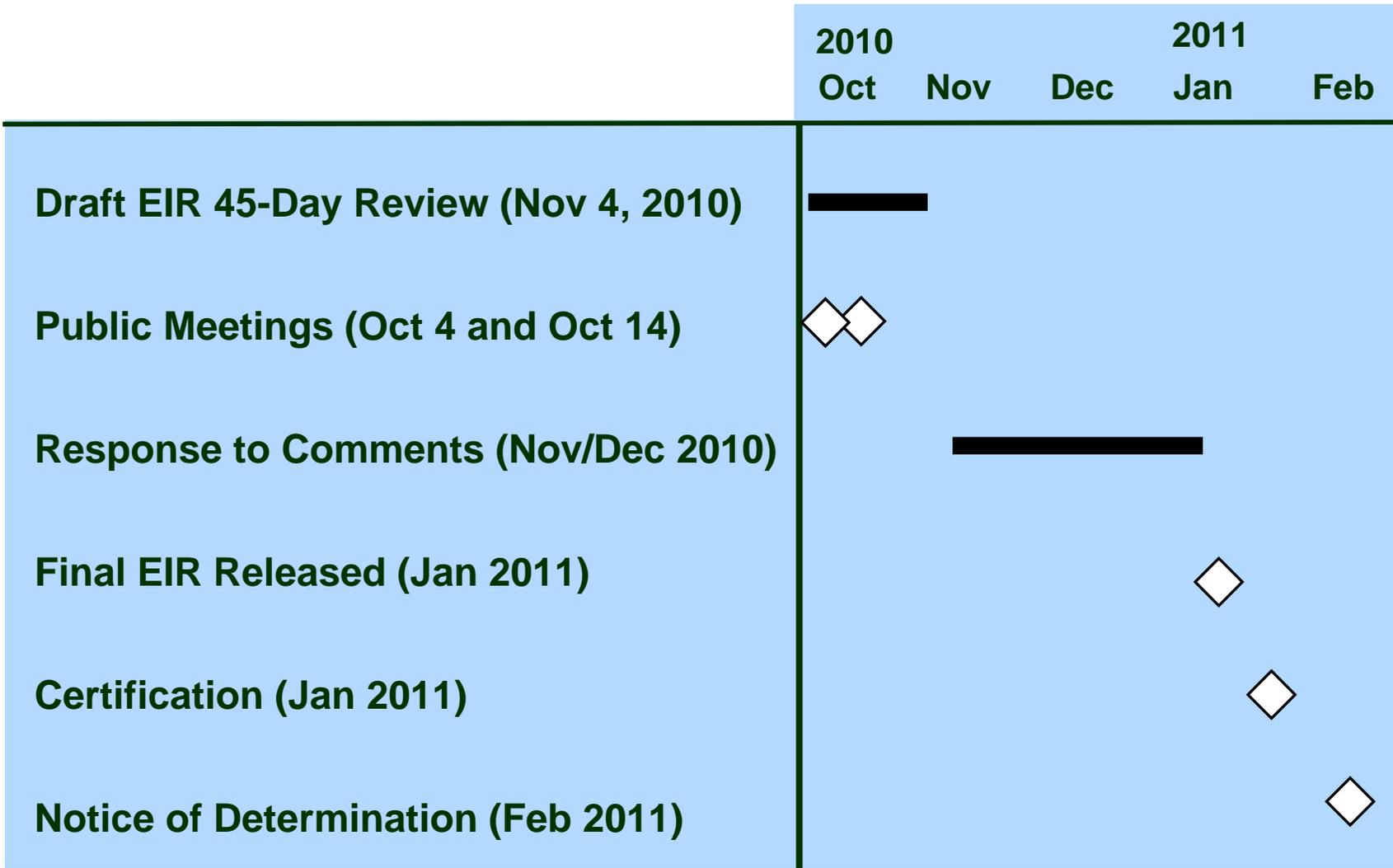
DRAFT EIR: Solid Waste Impacts

- 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





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

