



Yolo County Housing

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DATE: May 19, 2011
TO: YCH Board of Commissioners
FROM: Lisa A. Baker, Executive Director
PREPARED BY: Fred Ichtertz, Facilities Administrator
SUBJECT: **PUBLIC HEARING TO CONSIDER A RESOLUTION APPROVING
THE SEWER SYSTEM MANAGEMENT PLAN (SSMP) FOR THE EL
RIO VILLA HOUSING COMPLEX AT WINTERS**

RECOMMENDED ACTIONS:

That the Board of Commissioners;

1. Hold public hearing to solicit public input.
2. After receiving public testimony, comments and any changes, adopt the proposed Resolution approving adoption of the Sewer System Management Plan for the El Rio housing complex at Winters, and
3. Authorize the Executive Director to implement the Plan.

BACKGROUND / DISCUSSION

The State Water Resources Control Board (SWRCB) General Waste Discharge Requirements Order No. 2006-003-DWQ (GWDRs) requires that all sanitary sewer collection systems that have over one (1) mile of sewer collection pipeline prepare a Sewer System Management Plan (SSMP). All sewer collection systems with less than one (1) mile in length are exempt from the GWDRs requirements. The SSMP is a document that describes the activities of an agency to effectively manage its wastewater collection system.

YCH did a preliminary initial review of its public housing and agricultural housing complexes and it was determined that there were four (4) potential sites that may require an SSMP. Those sites were Yolano – Donnelly Circle complex at Woodland, both Davis and Dixon Migrant Centers and the El Rio Villa housing complex at Winters. The agency's engineer, Nolte and Associates, were retained to make the final determination and recommendation on the YCH initial review.

Nolte conducted site surveys, reviewed "As Built" drawings and they determined that Yolano – Donnelly Circle, Davis and Dixon Migrant Centers fell just under the one (1) mile sewer

pipeline requirement. However, the El Rio housing complex at Winters exceeds the one mile requirement and an SSMP is required.

The El Rio Villa housing complex is located approximately 1 mile southeast of Winters. The housing complex sewer system collects wastewater from 124 housing units and contains approximately 4,640 feet (0.9 mile) of a gravity collection system that drains into a lift station at the housing complex.

Wastewater is then conveyed through a 9,100-foot (1.7 miles) force main, connecting to the City of Winters' (CoW) collection system near the intersection of East Grant Street (CA-128) and East Street. The wastewater is treated at the Winters wastewater treatment plant, located approximately 2.5 miles northwest of the City.

The total length of the El Rio Villa Housing Complex collection system is approximately 13,740 feet (2.6 miles). The collection system therefore must comply with the GWDRs and a SSMP was prepared for the housing complex.

Operation and maintenance of the El Rio housing complex's lift station and force main is performed by the City of Winters (Cow) as part of the City's Operation and Maintenance Program described below. A copy of the Memorandum of Understanding between the City of Winters and the Housing Authority of the County of Yolo for Sewer Services is provided in Appendix B of the SSMP.

The City's Operation and Maintenance Plan includes the following elements:

- Sanitary sewer system description including sewer mains, manholes, and lift station;
- Inspection/testing procedures and schedules for each system element
- Sanitary sewer system repair plan
- Sanitary sewer capacity assessment and replacement/expansion plan

El Rio Villa Sewer System Management Plan

The El Rio Villa SSMP was prepared by Nolte and Associates with input from YCH staff and describes the activities that YCH uses to manage its wastewater collection system effectively. Effective management of a wastewater collection system as defined in the GWDR includes:

1. Maintaining or improving the condition of the collection system infrastructure in order to provide reliable service into the future.
2. Cost-effectively minimizing infiltration/inflow (I/I) and providing adequate sewer capacity to accommodate design storm flows; and
3. Minimizing the number and impact of sanitary sewer overflows (SSOs) that occur.

The required elements of the El Rio Villa SSMP are as follows:

1. GOALS: Collection system management goals
2. ORGANIZATION: Organization of personnel, including the chain of command and communications
3. LEGAL AUTHORITY: Legal authority for permitting flows into the system, inflow/infiltration control as well as enforcement of proper design, installation, and testing standards, and inspection requirements for new and rehabilitated sewers
4. OPERATION AND MAINTENANCE PROGRAM: Operations and maintenance activities to maintain the wastewater collection system
5. DESIGN AND PERFORMANCE PROVISIONS
6. OVERFLOW EMERGENCY RESPONSE PLAN
7. FATS, OILS, AND GREASE (FOG) CONTROL PROGRAM
8. SYSTEM EVALUATION AND CAPACITY ASSURANCE PROGRAM
9. MONITORING, MEASUREMENT, AND PROGRAM MODIFICATIONS: Monitoring, measurement, and modifications plan for SSMP program effectiveness
10. SSMP AUDITS: Periodic internal SSMP audits
11. SSMP COMMUNICATION PROGRAM

The El Rio Villa SSMP meets all of the required SSMP elements, as outlined in the Statewide GWDRs and is now in use in its draft form. The final step of the SSMP is the approval and adoption by YCH housing board.

FISCAL IMPACT

Ongoing costs associated for Sewer Services performed by the City of Winters is budgeted on a yearly basis. Future planned improvements to existing El Rio Villa sewer system up to the lift station will be planned for and budgeted through future Capital Fund Improvement Plans.

CONCLUSION

Staff recommends after receiving public testimony, comments and any changes, adopt the proposed Sewer System Management Plan for the El Rio housing complex at Winters.

Attachments: Resolution
Draft El Rio Villa Sewer System Management Plan is on file at the Clerk of the Board