

FACILITIES INSPECTION REPORT

INSPECTOR: **CORTJ**

NON15	IV COMMUNITY COLLEGE DISTRICT	IV COLLEGE WWTP
PROGRAM TYPE 7A 13 0135 001	NAME OF AGENCY/RESPONSIBLE PARTY 380 EAST ATON ROAD	NAME OF FACILITY 380 EAST ATON ROAD
WDID NUMBER	AGENCY MAILING ADDRESS IMPERIAL, CA 92251	FACILITY PHYSICAL ADDRESS IMPERIAL, CA 92251
NPDES NUMBER 13-018	AGENCY CITY, STATE, ZIP CODE RICK WEBSTER	FACILITY CITY AND STATE MANUEL SANCHEZ
ORDER NUMBER 03/12/2015	AGENCY CONTACT (760) 355 6373	FACILITY CONTACT (760) 355 6405
INSPECTION DATE	AGENCY CONTACT PHONE NO.	FACILITY CONTACT PHONE NO.

INSEPTION TYPE (Circle One)

- | | |
|---|--|
| <p>(A) "A" type compliance</p> <p>(B) "B" type compliance</p> <p>(02) Follow-up Inspection – Noncompliance
(Correction of a previously Identified violation)</p> <p>(03) Follow up Inspection – Enforcement action is being met.</p> <p>(04) Complaint Inspection -- Complaint</p> <p>(05) Pre-requirement</p> <p>(06) Miscellaneous</p> <p>(07) Pretreatment Audit</p> <p>(08) Pretreatment Compliance</p> <p>(OTHER) _____</p> | <p>(AGT) Above Ground Tank SPCC Inspection</p> <p>(BIO) Biomonitoring Inspection</p> <p>(BSC) Sample Collection by Board Staff</p> <p>(CLI) Clarifier Inspection</p> <p>(FOS) Field Oversight</p> <p>(IIN) Initial Inspection</p> <p>(NEC) NEC Inspection</p> <p>(QA) Quality Assurance Based Inspection</p> <p>(Re) Re-Inspection</p> |
|---|--|

N Were VIOLATIONS noted during this inspection? (Yes, No, Pending Sample Results)

N Were water quality samples taken? (N = No, Y = Yes, G = Grab, C = Composite)

INSPECTION SUMMARY (REQUIRED)

Met with Manuel Sanchez of Imperial Valley College staff. Toured wastewater treatment plant from influent though treatment process to disposal ponds. All treatment units appeared to functioning properly at the time of inspection. No violations noted. Records audit not performed (performed on previous inspection 04/03/2014).

INSPECTOR'S INITIALS: JC

SIGNATURE: 

DATE: 3/16/15

REVIEWED BY:

SUPERVISOR'S INITIALS: DW

DATE: 3/16/15

FACILITIES INSPECTION REPORT (Continued)

WDID: 7A130135001

IV COLLEGE WWTP

REG MEASURE ID: 387267

PARTY ID: 21588

PLACE ID: 232259

VIOLATION INFORMATION (IF APPLICABLE)

VIOLATION TYPE:

DATE OCCURRED:

DATE
DETERMINED:

LOCATION OF VIOLATION: (Same as Facility) **Y / N** (If not, provide location address)

STREET

CITY

VIOLATION DESCRIPTION (500 character limit):

CORRECTIVE ACTION TAKEN BY DISCHARGER (500 character limit):

VIOLATION RANK (Circle one): **1 2 3**

Refer to CIWQS Detailed Business Rules Violation Rank Description

ADDITIONAL COMMENTS, ITEMS FOR FOLLOW UP INSPECTIONS, NOTES, ETC

Evaporation/percolation ponds recently put into service beginning in January 2015. Ponds put into new rotation cycle for improved maintenance and operation schedule. Weeds growing around ponds are a primary concern believed by Discharger to be blown in from surrounding agricultural fields. New rotation cycle will allow for more frequent de-weeding and maintenance. Discharger hired vector control contractor by requirement of Imperial County Health Department for mosquito control.

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Facility Narrative

Imperial Valley Community College District (IVCCD) owns and operates a wastewater treatment plant at Imperial Valley College, designed to service a student and faculty population of approximately 6,000. The wastewater treatment plant is an extended aeration activated sludge package plant that provides secondary treatment, with a capacity of 0.100 MGD. Raw sewage flows by gravity through the collection system to a lift station located approximately 0.25 miles north of the Facility before being pumped into the Facility. The Facility consists of two contact stabilization activated sludge package plants operating in parallel to provide secondary treatment.

The first package plant operates at a design capacity of 0.100 MGD and runs continuously. The second package plant operates at a design capacity of 0.050 MGD and runs only when the first plant is not in operation. Both plants consist of a manual rake bar screen, contact tank, secondary clarifier, stabilization tank, and aerobic digester. Secondary-treated effluent from the package plants is then disinfected through an ultraviolet (UV) disinfection system prior to discharge.

IVCCD constructed three new evaporation/percolation ponds at the site of the WWTP to dispose of treated domestic wastewater. The ponds have a combined area of 72,000 square feet (1.65 acres) and a total design disposal capacity of 0.050 million gallons per day (MGD). The facility currently treats and disposes an average 0.020 MGD with a maximum of about 0.030 MGD.

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A. FACILITY SITE REVIEW: FLOW / MONITORING / O&M	RATING ¹ (S, M, U, N/A, N/E)
1. Flow measurement methods are appropriate and designed to meet Board Order requirements.	S
2. Measurement devices are operating properly.	S
3. Flow measurements are recorded at interval specified in the Board Order.	S
4. Flow measurement location is representative of actual discharge (considering return and bypass lines, etc.).	S
5. Flow meter calibration current.	S
6. Calibration checks by plant personnel routinely performed.	S
7. Sampling locations are adequate to monitor the discharge.	S
8. Sampling methods provide representative samples (grab samples taken at peak times).	S
9. Composite samples adequately timed or flow weighted.	N/A
10. Automatic samplers and other sampling equipment are functional and properly cleaned.	N/A
11. Sampling conducted by appropriately trained personnel.	N/E
12. Samples are appropriately preserved using methods listed in 40 CFR, Part 136 (e.g. chilled- 4 °C, acidified, etc.).	N/E
13. Sample containers are appropriate.	N/E
14. Coliform samples taken directly into sterilized container.	N/E
15. BOD samples taken prior to disinfection or reseeded.	N/E
16. Oil and grease samples collected directly into a glass container.	N/A
17. All treatment units and supporting equipment are in service and functioning properly.	S
18. Housekeeping procedures are adequate to prevent release (Dikes and secondary containment).	S
19. Leaking pipes/pumps.	S
20. Drum and chemical storage areas have adequate containment.	S

¹ RATING: S = Satisfactory, M = Marginal, U = Unsatisfactory, N/A = Not Applicable, N/E = Not Evaluated

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21. Daily cleanup program in place and adequate.	S
22. Backup power available for treatment facility.	S
23. Alarm system and alarm set points adequate.	S
24. Adequate DO maintained in aerated treatment systems.	S
25. Clarifiers operated to prevent hydraulic short-circuiting.	S
26. Biosolids wasting/return rates adequate to maintain system equilibrium.	S
27. Routine and preventive maintenance items are scheduled and performed on time.	S
28. Level of staffing is adequate.	S
29. Spare pumps/parts and chemicals available.	S
30. Treatment & storage ponds have adequate freeboard.	S
31. Pond berm condition (evidence of erosion, seepage, burrowing rodents, vegetation free, unsuitable materials or other risk to structural integrity).	S
32. Biosolids accumulation in ponds is consistent with proper operation and maintaining hydraulic capacity.	S
33. Appearance of effluent as observed during inspection; presence of foam, scum, sheens.	S
34. Ponds outlets designed to retain algal rafts and/or algicide used.	S
35. Treatment units maintained to control vectors or objectionable odors.	S

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Influent monitoring location at bar screen.



Influent flow meter.

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Activated sludge (extended aeration) section of package plant.



Secondary clarifier section of package plant.

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Sludge digester section of package plant.



Ultra Violet disinfection banks.

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Effluent sampling location.



Backup power generator.

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Disposal pond 1 used during month of January 2015 drying out for de-weeding and ripping.



Pond 2 used during month of February 2015 beginning dry-out cycle.

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Pond 3 recently put in service beginning in March 2015.



Sludge disposal basin.