



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT**  
**FOR FLOOD CONTROL WORKS**  
Honolulu Engineer District  
CEPOH-EC-T

KK Dam04rpt-fcp.doc

1. Project Name: KK Dam Flood Control Project
2. Date of Inspection: December 10, 2003
3. Inspection Personnel:

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Dan Meyers	CEPOH-EC-T	438-8875
b. Rick Oleniacz	CEPOH-EM	438-1981
c. Hugh Liu	DFM/Road Main Div.	527-5337
d. Gary Ikeda	DFM/Road Main Div.	247-3553
e. Jonel Smith	Ho'omaluhia DP&R	233-7326

4. Ratings for FY04  
Project Rating: "S, **Satisfactory**"  
Project Condition Code: "A, **Acceptable**"  
Project Status: "**Active**"

5. Discussion:

In general, the maintenance of the project is very good. Ms. Jonel Smith, DP&R, participated in the "parks" portion of the CEI inspection. Several discrepancies were noted and brought to the attention of the C&C representatives during the inspection. The major deficiencies were as follows:

**DAM:**



- a. The maintenance access road to intake structure is in good condition.



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**a. Intake Structure:**



b. Verify leaking from intake tower sluice gate frame and repair if required.

No deficiencies noted at:

Joint #1 - Sta. 0+18  
Joint #2 - Sta. 0+38  
Joint #3 - Sta. 0+58  
Joint #4 - Sta. 0+78  
Joint #5 - Sta. 0+98  
Joint #6 - Sta. 1+18  
Joint #7 - Sta. 1+38  
Joint #8 - Sta. 1+58  
Joint #9 - Sta. 1+78  
Joint #10 - Sta. 1+98  
Joint #11 - Sta. 2+18  
Joint #12 - Sta. 2+38  
Joint #13 - Sta. 2+58  
Joint #14 - Sta. 2+78  
Joint #15 - Sta. 2+98  
Joint #16 - Sta. 3+18  
Joint #17 - Sta. 3+38  
Joint #18 - Sta. 3+58  
Joint #19 - Sta. 3+78  
Joint #20 - Sta. 3+98  
Joint #21 - Sta. 4+18  
Joint #22 - Sta. 4+38

Monitor invert (dip)



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Joint #23 - Sta. 4+58  
Joint #24 - Sta. 4+78  
Joint #25 - Sta. 4+98  
Joint #26 - Sta. 5+18  
Joint #27 - Sta. 5+38 End



c. Sta. 2+38, (joint # 12) typical mastic over concrete patch.





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- d. Typical concrete joint patch.



- e. Sta. 2+98, Joint # 15.

**c. Outlet and Stilling Basin:**



- f. Overview of intake tower outlet and silting basin.



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**b. Approach Channel:**



g. Overview of Approach Channel, no deficiencies noted.





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h. Approach Channel transition to spillway, vegetation has been removed from riprap.



i. Overview of maintenance access road "B" to spillway; recent repairs made.

### d. Spillway:



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j. Overview of spillway from Ogee weir.



k. Continue to maintain access road on left bank (LB) side of spillway.



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1. Sta. (-) 1+00, right bank (RB) wall, patch seepage cracks.

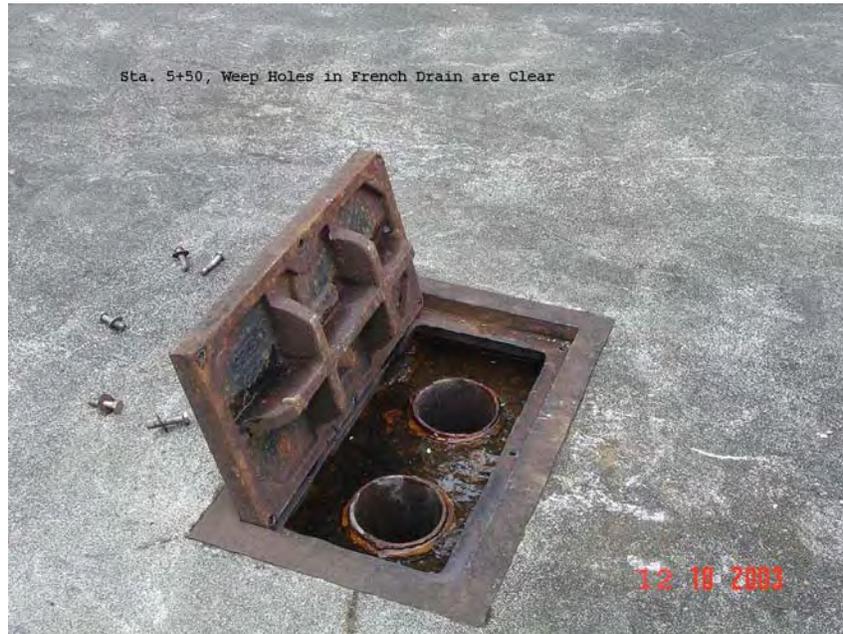


- m. Sta. (-) 0+70, (RB) wall, patch seepage cracks.



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- n. Sta. 5+50, weep holes at drain are clear.



- o. Sta. 4+00, (RB) wall, patch seepage cracks.



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p. Sta. 7+75, Overview of silting basin, no action required.

**e. Dam Embankment:**





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- q. Monitor Eroded areas approximately 25 - 35 LF adjacent the toe drain, downstream face of the dam between Sta. 10+00 and Sta. 11+50, which was been repaired.



- r. Drainage invert repaired, no action required.



- s. Overview of dam, continue to maintain grass.



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t. Sta. 7+50, Crest of Dam, new layer of base course, potholes have been repaired.

**f. Kaneohe Stream:**

Not inspected this year.

**g. Downstream Channel:**

Sta. 0+00 @ Kaneohe Bay

Sta. 12+59, Upper limit of LB.



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- u. Sta. 2+00, LB, new armor layer placed.



- v. Sta. 3+50, interior drainage intake open.



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- w. Sta. 5+00, LB, Overview of new armor placement.



- x. Sta. 6+00, RB, continue to replace armor stone as required.



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y. Typical interior drainage # 7 of 9 each.



z. Sta. 9+00, LB, add armor layer to levee sideslope.



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**Park:**

**h. Roads and Parking Areas:**



aa. Main Road, Repair pothole at main entrance.



bb. Repair pothole near back gate.



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**i. Fencing, Signs:** No deficiencies noted.

**j. Grounds, Improved & Semi-improved:**



cc. Culvert # 1 (nearest to main entrance) continue to maintain.



dd. Culvert # 2, continue to maintain.



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ee. Culvert # 3 (adj admin area) continue to maintain.



ff. Culvert # 4, continue to maintain.



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gg. Culvert # 5, continue to maintain.



hh. Culvert # 6, continue to maintain.



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ii. Culvert # 7, remove debris buildup.



jj. Culvert # 8, continue to maintain.



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kk. Culvert # 9, continue to maintain.



ll. Culvert # 10, continue to maintain.



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**k. Water Supply, Fire Hydrant, Fixtures:** No deficiencies noted.

**l. Mechanical Equipment:** No deficiencies noted.

**m. Buildings:**



mm. Hau Area Restroom, good condition, good maintenance, no action required.





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nn. Kahua Nui Area Restroom, good condition, good maintenance, no action required.



oo. Kakui Area Restroom, good condition, good maintenance, no action required.



pp. Kahua Kuou Area Restroom, good condition, good maintenance, no action required.



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qq. Day Use Area, good condition, good maintenance, no action required.





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rr. Perform structural repairs to "Day Use" restroom. Roof structure, brace & support beams and rafters has been damaged by termites.

**m. Mitigation Area:**



ss. Mitigation Area Levee, in good condition continue to maintain.



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tt. Mitigation Area Spillway Weir, maintenance required to free stuck control gate.



uu. Mitigation Area Spillway, in good condition continue to maintain.

6. Conclusion:



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IAW ER 500-1-1, ( dtd 30 September 2001 ), and based on this CEI, the Project Condition Code is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program. NOTE: There has been a substantial increase in the maintenance efforts at both the dam and parks portions of the project this year.

Signed: \_\_\_\_\_  
Dan Meyers, CEPOH-EC-T

Signed: \_\_\_\_\_  
James Pennaz, P.E., Ch, CEPOH-EC-T

Enclosure (s)  
1. Site Plan  
2. Photo