

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF SAFETY OF DAMS

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

| | | | | | |
|-----------------------|------------------------------------|------------------|----------------------|--------|--------|
| Name of Dam | Vineyard Substation | Dam No. | 3422 | County | Sonoma |
| Type of Dam | ERTH | Type of Spillway | Unlined open channel | | |
| Water is | 1 feet | Below | spillway crest | | |
| Weather Conditions | clear and mild | | | | |
| Contacts made | Peter Sagues during the inspection | | | | |
| Reason for Inspection | Periodic evaluation. | | | | |

Important Observations, Recommendations or Actions Taken

I directed Mr. Sagues to expose the entirety of the spillway concrete control sill, to restore the spillway to its original configuration, and to repair and make operable the upstream outlet control. Mr. Sagues has made significant improvements in both vegetation and rodent control, and has assured me during this inspection that the required work will be performed in a timely manner.

Conclusions

From the known information and the visual inspection, the dam, reservoir, and the appurtenances are judged satisfactory for continued use.

Observations and Comments

| Item No.* | Item Name and Observations and Comments |
|----------------|---|
| A1, A2, A3, A4 | Embankment: The visible portions of the upstream and downstream faces, the crest, and the abutment contacts remain in satisfactory condition with no indication of surficial distress or instability. Vegetation control continues to improve and is now entirely satisfactory along both upstream and downstream faces, the crest, and the abutments. Cut tule and other debris temporarily stored on the crest and along the downstream toe has been removed. Rodent control also continues to improve, and only a few widely spaced indications of rodent habitation were observed. |
| 6, 8, 9, 10 | Spillway: The spillway approach, control section, and exit channel have become partially obstructed with sediment and organic debris. A thorough cleaning of accumulated vegetation and debris is required both upstream and downstream of the concrete control sill. |
| 12, 13, 14 | Outlet: An inclined 8-inch non-rising stem slide gate provides upstream control. Mr. Sagues reports that the stem is no longer attached to the slide gate, that the outlet is presently inoperative, and that repairs will be required to restore the outlet to operable condition. |
| 17 | Seepage and Drainage: No signs of concerning seepage were noted. Clear seepage along the drainage ditch paralleling the northwest toe of the embankment remains as reported in past inspection reports. The drain outfall at the northwest corner (Sta 6+99) has become buried and will need to be re-exposed. The left abutment (Sta 1+10) drain remains open and was dry. |
| 18 | Instrumentation: There is no instrumentation. |

Typed by J.A. Lowe
Date 12/12/03
cc for Owner/Book

*Use Field Sheet Standard
Numbers and Items
(See Reverse Side)

Inspected by J.A. Lowe
Date of Inspection 12/11/03
Date of Report 12/12/03
Photos taken? Yes No

Owner

STATE OF CALIFORNIA
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INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

| | | | | | |
|-----------------------|------------------------------------|------------------|----------------------|--------|--------|
| Name of Dam | Vineyard Substation | Dam No. | 3422 | County | Sonoma |
| Type of Dam | ERTH | Type of Spillway | Unlined open channel | | |
| Water is | 3 feet | Below | spillway crest | | |
| Weather Conditions | Partly cloudy and mild | | | | |
| Contacts made | Peter Sagues during the inspection | | | | |
| Reason for Inspection | Periodic evaluation. | | | | |

Important Observations, Recommendations or Actions Taken

As directed during the previous inspection on 11 December 2003, Mr. Sagues has exposed the entirety of the spillway concrete control sill, has restored the spillway to its original configuration, and has repaired and made operable the upstream outlet control.

Mr. Sagues continues to improve the safety and condition of the facilities under his care, and makes required repairs and improvements in a thorough and expeditious manner.

Conclusions

From the known information and the visual inspection, the dam, reservoir, and the appurtenances are judged satisfactory for continued use.

Observations and Comments

| Item No.* | Item Name and Observations and Comments |
|-------------------|---|
| A1, A2, A3, A4 | Embankment: The visible portions of the upstream and downstream faces, the crest, and the abutment contacts remain in satisfactory condition with no indication of surficial distress or instability. Vegetation control remains satisfactory along both upstream and downstream faces, the crest, and the abutments. The faces and crest of the embankment are covered by cut grass that provides protection against erosion without impeding inspection or monitoring for defects, and without providing cover or habitat for destructive burrowing rodents. Rodent control is also satisfactory, and as with the previous inspection only a few widely spaced indications of rodent habitation were observed. |
| 6, 8, 9, 10 | Spillway: The spillway approach, control section, and exit channel are open and clear. Tule, sediment, and other debris that had obstructed the entrance, control sill, and exit channel have been removed as directed. |
| 12, 13, 14 | Outlet: An inclined 8-inch non-rising stem slide gate provides upstream control. The upstream control had been inoperative because the lower actuator shaft had corroded and failed. Since the previous periodic inspection the actuator shaft has been replaced and the outlet returned to operation. During this inspection the upstream control was fully cycled and the satisfactory operation of the outlet confirmed. |
| 17 | Seepage and Drainage: No signs of concerning seepage were noted. Clear seepage along the drainage ditch paralleling the northwest toe of the embankment remains as reported in past inspection reports. Both underdrain outfalls were exposed and marked with a pair of steel fence posts. There was no seepage from either drain. |
| 18 | Instrumentation: There is no instrumentation. |

Typed by J.A. Lowe
Date 17 Nov 04
cc for Owner/Book

*Use Field Sheet Standard
Numbers and Items
(See Reverse Side)

Inspected by J.A. Lowe
Date of Inspection 16 Nov 04
Date of Report 17 Nov 04
Photos taken? Yes No

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUSName of Dam Vineyard SubdivisionDam No. 3422Date of Inspection 16 November 2004

As directed during the previous inspection on 11 December 2003, Mr. Sagues has exposed the entirety of the spillway concrete control sill, and has restored the spillway to its original configuration (photograph above).



Vegetation control continues remains satisfactory along both upstream and downstream faces, the crest, and the abutments. The faces and crest of the embankment are covered by cut grass that provides protection against erosion without impeding inspection or monitoring for defects (photograph above).

Author/Typist: J.A. LoweSheet 2 of 2 Sheets

sch + end Oct / begin Nov

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF SAFETY OF DAMS

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Vineyard Substation Dam No. 3422 County Sonoma
 Type of Dam ERTH Type of Spillway Unlined open channel
 Water is 2 feet Below spillway crest
 Weather Conditions Clear and mild.
 Contacts made Peter Sagues during the inspection.
 Reason for Inspection Periodic evaluation.

Important Observations, Recommendations or Actions Taken

Mr. Sagues continues to improve the safety and condition of the facilities under his care, and makes required repairs and improvements in a thorough and expeditious manner. Other than continuing to reduce the density of tule and bull rushes along the upstream face, and normal periodic maintenance, there are no requirements for unscheduled maintenance or repairs at this time.

Conclusions

From the known information and the visual inspection, the dam, reservoir, and the appurtenances are judged satisfactory for continued use.

Observations and Comments

| Item No.* | Item Name and Observations and Comments |
|----------------|---|
| A1, A2, A3, A4 | <u>Embankment:</u> The visible portions of the upstream and downstream faces, the crest, and the abutment contacts remain in satisfactory condition with no indication of surficial distress or instability. Vegetation control remains satisfactory along both upstream and downstream faces, the crest, and the abutments. The faces and crest of the embankment are covered by cut grass and low ground cover that provides protection against erosion without impeding inspection or monitoring for defects, and without providing cover or habitat for destructive burrowing rodents. Mr. Sagues program of reducing the density of tule and bull rushes along the upstream face water line appears to be successful. While some additional thinning is desirable, there is now a clear separation between the tule and the upstream waterline, making inspection and monitoring of this critical area for burrows and defects far more effective. Rodent control is also satisfactory, and as with the previous inspection only a few widely spaced indications of rodent habitation were observed. |
| 6, 8, 9, 10 | <u>Spillway:</u> The spillway approach, control section, and exit channel are open and clear. Tule, sediment, and other debris that had obstructed the entrance, control sill, and exit channel have been removed as directed. |
| 12, 13, 14 | <u>Outlet:</u> An inclined 8-inch non-rising stem slide gate provides upstream control; there is no downstream control. The upstream control was fully cycled and found to be in satisfactory operating condition. |
| 17 | <u>Seepage and Drainage:</u> No signs of concerning seepage were noted. Clear seepage along the drainage ditch paralleling the northwest toe of the embankment remains as reported in past inspection reports. Both underdrain outfalls were exposed and marked with a pair of steel fence posts. There was no seepage from either drain. |
| 18 | <u>Instrumentation:</u> There is no instrumentation and none is believed necessary at this time. |

*J.A. Lowe
11/10/05*

Typed by J.A. Lowe
 Date 10 November 2005
 cc for Owner/Book

*Use Field Sheet Standard
 Numbers and Items
 (See Reverse Side)

Inspected by J.A. Lowe
 Date of Inspection 10 Nov 05
 Date of Report 9 November 2005
 Photos taken? Yes No

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF SAFETY OF DAMS

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Vineyard Subdivision Dam No. 3422 County Sonoma
 Type of Dam ERTH Type of Spillway Unlined open channel
 Water is 1 feet Below spillway crest
 Weather Conditions Clear and mild.
 Contacts made Mr. Jerry Gills and Ms. Ginny Gills during the inspection.
 Reason for Inspection Periodic evaluation.

Important Observations, Recommendations or Actions Taken

Care and maintenance under Mr. Sagues remains very good. Other than continuing to reduce the density of tule and bull rushes along the upstream face, and normal periodic maintenance, there are no requirements for unscheduled maintenance or repairs at this time.

There are no prior outstanding administrative requirements. The total class weight of 14 appears satisfactory.

Conclusions

From the known information and the visual inspection, the dam, reservoir, and the appurtenances are judged satisfactory for continued use.

Observations and Comments

Embankment: The visible portions of the upstream and downstream faces, the crest, and the abutment contacts remain in satisfactory condition with no indication of surficial distress or instability.

Similar to the previous inspection of 9 November 2005, vegetation control remains satisfactory along both upstream and downstream faces, the crest, and the abutments. The faces and crest of the embankment are covered by cut grass and low ground cover that provides protection against erosion without impeding inspection or monitoring for defects, and without providing cover or habitat for destructive burrowing rodents.

Mr. Sagues continues to reduce the density of tule and bull rushes along the upstream face water line to good effect. ~~He takes inspection and monitoring of this critical area for burrows and destruction of~~ destructive burrowing rodents of protective habitat.

Rodent control is also satisfactory and, as with the previous inspection, only a few widely spaced indications of rodent habitation were observed.

Spillway: The spillway approach, control section, and exit channel are open and clear.

The current design storm (SPL), prepared in 1962, is for a flow of 434 cfs (~5425 cfs / sq mi) from the 0.08 square mile drainage area. The current TCW for this dam is 14. The spillway capacity is ~565 cfs which is greater than the peak inflow. Total freeboard is 3.5 feet and the residual freeboard for the design storm is 3 feet.

Outlet: An inclined 8-inch non-rising stem slide gate provides upstream control; there is no downstream control.

The upstream control was not cycled during this inspection but was fully cycled and found to be in satisfactory operating condition during the previous inspection of 9 November 2005.

Seepage and Drainage: No signs of concerning seepage were noted. Clear seepage along the drainage ditch paralleling the northwest toe of the embankment remains as reported in past inspection reports.

Both underdrain outfalls were exposed and marked with steel fence posts. There was no seepage from either drain.

Instrumentation: There is no instrumentation and none is believed necessary at this time.

Typed by J.A. Lowe
 Date 16 January 2007
 cc for Owner/Book

Inspected by J.A. Lowe
 Date of Inspection 9 January 2007
 Date of Report 9 January 2007
 Photos taken? Yes No

Sheet 1 of 1 Sheets
J.A. Lowe
1/16/07

1 PUBLIC HEARING REGARDING DRAFT CEASE AND DESIST ORDER NO. 262.31-14
2 AND ADMINISTRATIVE CIVIL LIABILITY COMPLAINT NO. 262.5-44 AGAINST THE
3 VINEYARD CLUB, INC.

4 PROOF OF SERVICE

5 I am employed in the County of Sacramento; my business address is 813 Sixth Street, Third
6 Floor, Sacramento, California; I am over the age of 18 years and not a party to the foregoing action.

7 On March 12, 2007, I served the following document(s):

8 EXHIBIT IDENTIFICATION INDEX;
9 AND EXHIBITS

10 (by personal delivery) by causing to be personally delivered a true copy thereof to the person
11 and at the address set forth below:

12 (by email: wrhearing@waterbords.ca.gov) by causing a true copy by email.

13 Jean McCue
14 Water Resources Control Engineer
15 State Water Resources Control Board
16 1001 I Street, 14th Floor
Sacramento, CA 95814

17 I declare under penalty of perjury that the foregoing is true and correct. Executed on March
18 12, 2007 at Sacramento, California.

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20 Yolanda De La Cruz
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1 PUBLIC HEARING REGARDING DRAFT CEASE AND DESIST ORDER NO. 262.31-14
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6 Floor, Sacramento, California; I am over the age of 18 years and not a party to the foregoing action.

7 On March 12, 2007, I served the following document(s):

8 **NOTICE OF INTENT TO APPEAR;**

9 **EXHIBIT IDENTIFICATION INDEX;**

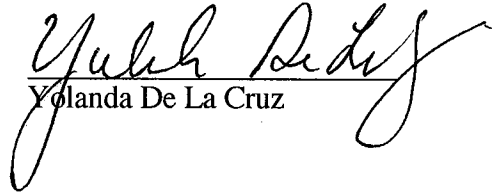
10 **AND EXHIBITS**

11 X (by personal delivery) by causing to be personally delivered a true copy thereof to the person
12 and at the address set forth below:

13 Matthew Bullock
14 State Water Resources Control Board
15 Office of Chief Counsel
16 1001 I Street, 22nd Floor
17 Sacramento, CA 95814
18 mbullock@waterboards.ca.gov

Representing: Division of Water Rights'
Prosecution Team

19 I declare under penalty of perjury that the foregoing is true and correct. Executed on March
20 12, 2007 at Sacramento, California.

21 
22 Yolanda De La Cruz