

0013

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

April 15, 1985

ACT/007/001
#15
RECEIVED

APR 16 1985

DIVISION OF OIL
GAS & MINING

Mr. Wayne Hedberg
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Conditional Approval of Sediment Pond No. 4
Decant Orifice

Dear Mr. Hedberg:

Pursuant to your March 28, 1985, letter authorizing conditional use of the new Decant Orifice in Sediment Pond No. 4, please find enclosed ten (10) copies of previously submitted design information pertinent to approval of this revision.

Please handle this information as an addendum to our existing approved mine plan until such time as final approval is given for this installation.

Please contact me if you have additional needs concerning this subject.

Sincerely,



T. G. Whiteside
Chief Engineer

TGW/lf

Enclosure

VALLEY CAMP OF UTAH, INC.

Scofield Route

Helper, Utah 84526

28 December 1984

RECEIVED

APR 16 1985

DIVISION OF OIL
GAS & MINING

Mr. Wayne Hedberg
Permit Revision Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Cleaning of Sediment Pond No. 4

Dear Mr. Hedberg:

Dredging activities associated with cleaning of the No. 4 sediment pond at the Belina Complex were temporarily terminated on November 30, 1984. The major portion of the dredging work was completed on November 16th; additional work associated with the construction of a small sediment dike was not completed until November 30th.

Although winter conditions forced us to abandon the project before we accomplished a complete cleaning of the pond, we feel as though the dredging activities have provided sediment and water storage capacities within the pond that will meet runoff requirements, and produce discharge which will comply with N.P.D.E.S. limitations.

As you will notice on the enclosed drawing, the decant, spillway and berm elevations are actual, and the bottom of pond elevation is inferred. The actual bottom elevation could not be determined due to conditions. The inferred elevation was obtained by establishing the water level at the time of cleaning, and then subtracting the overall length of the dragline's chain and bucket, which were below the water surface when the bucket was lowered to the bottom of the pond. This distance, on the average, was eight (8) feet below the water surface. Considering that the water level was approximately three (3.0) feet below the decant pipe elevation, we were probably digging to an elevation of 8860±. The inferred elevation was estimated to be 8863± after settling.

#666

A three (3) inch decant pipe (see attached drawing) was installed near the bottom of the primary discharge, which will provide constant discharge of an event. This orifice will also provide a sixty (60) hour detention period for a 10-year event. The elevation of this decant, when compared to the primary discharge elevation, will provide storage for 3.43 acre feet of water. The estimated sediment storage volume is 6.45 acre feet. Realizing these figures to be estimates, the pond, in its present state, would then provide a total volume of 9.88 acre feet. Please refer to Drawing No. A4-0092 for the details of the three (3) inch decant. As you can see, we have also installed a three (3) inch valve on this decant, which will allow for even greater detention time if the discharge analyses so indicate. The determination of the detention time which this decant provides was made by Vaughn Hansen Associates.

I previously mentioned the cleaning activities to be "temporarily" interrupted because we are still planning to do additional cleaning in the southwest corner of the pond. These activities will be resumed in the spring, as soon as conditions allow. At that time, we will attempt to remove the snow and material that has been, and will be again, pushed off the bank into the pond. We will also at that time clean up and regrade the area where the pond sediment was deposited.

Once all cleaning-enlarging activities have been completed, the pond will be surveyed and "as built" drawings will be submitted to the Division.

It is hoped that this action will be acceptable for abatement of Notice of Violation No. N84-7-6-1.

If you have questions or concerns pertaining to this project, please feel free to call me.

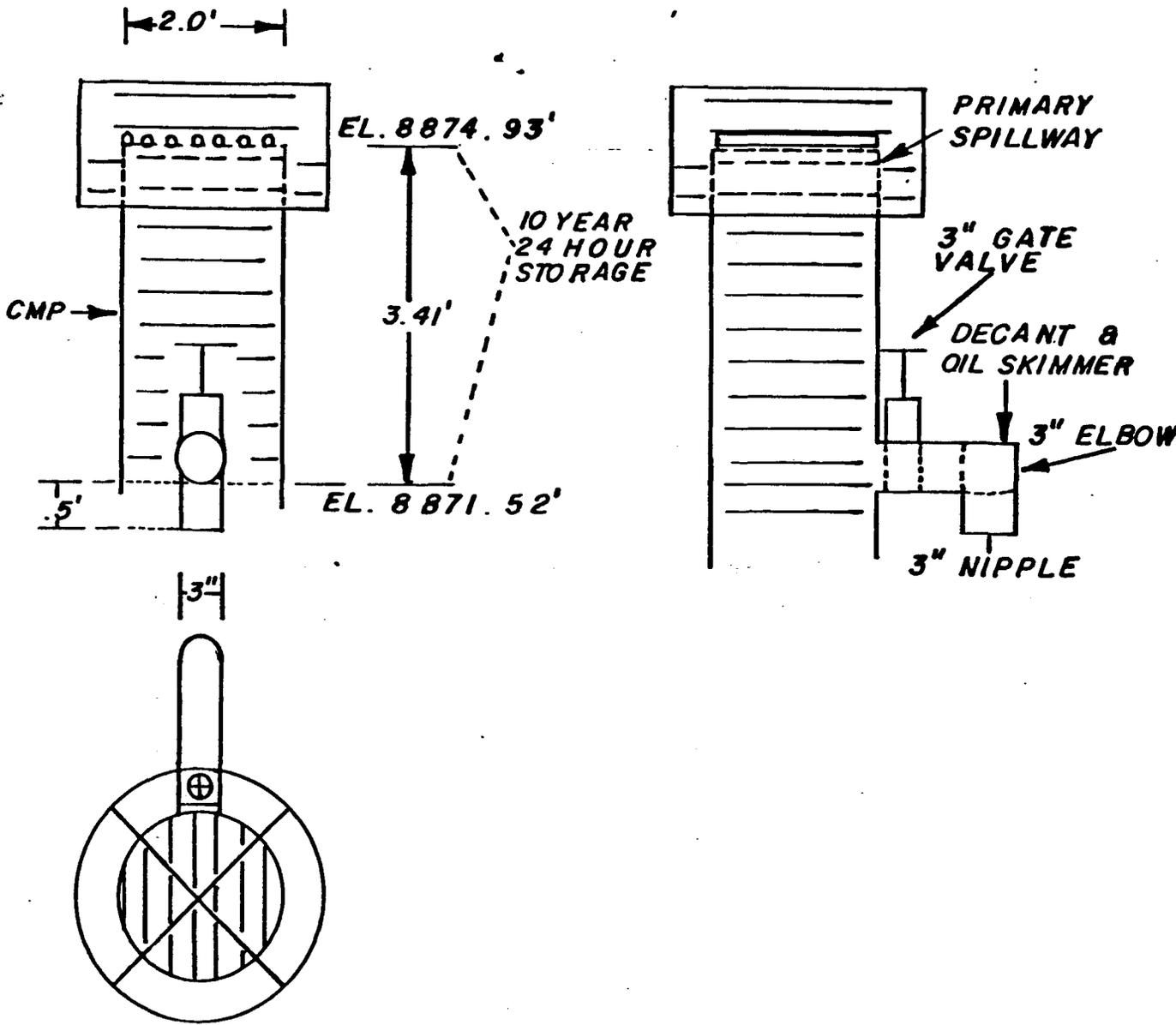
Sincerely,



T. G. Whiteside
Chief Engineer

Enclosures

Copies to: Steve McNeal, Utah State Dept. of Health, w/encl.
Allen Klein, OSM, Denver, w/encl.



DRAWN BY: K. PAPPAS	DATE: 11-16-84
CHECKED BY: S. K. T.	DATE:
REVISED BY:	SCALE: NONE
APPROVAL ENG.:	
APPROVAL SAFETY:	TITLE: 004 SEDIMENT POND DECANT REVISION
APPROVAL MINE:	



VALLEY CAMP of UTAH
SCOFIELD ROUTE
HELPER, UTAH 84526

DRAWING NO. A4-0092	REV. NO. 1
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