

Edl, Michele

From: Thomas.Moore@deq.idaho.gov
Sent: Thursday, August 16, 2007 1:23 PM
To: Edl, Michele
Subject: RE: Assistance with HDI water right
Attachments: 04-03-16 (D43534) let von lindern on evaluation of view point subdivision.pdf, 04-04-28 (D43536) let moore on view point report addenda approval.pdf

I've spoken with staff regarding this system; we did review and approve an initial phase of a public water system. That phase was built, and serves fewer than 25 people, so although a public system, it is not regulated and we do not know officially who currently owns it. We believe that the principles in HDI are Rick Woods and Bryan Hasenoehrl, whom we consider the current owners. We believe it serves nine connections or less.

We have correspondence from Mark Von Lindern, P.E., dated 3/2/04, updating the system facility report. That update sets system well capacity at 85.6 gpm, and indicates that at least 32 connections could be served. However, because our rules call for a second source for over 25 connections, the report concludes by saying that an additional well would be required. We have not received other correspondence since then. I've attached a scan of that letter for your use, and our acceptance thereof.

We met with the current owners within the last year. They were negotiating with Schaub Ranch water system to provide an inter-tie to the Schaub system, and have Schaub take over operations and possibly ownership. I don't know the status of those negotiations.

We do have a variety of other documents that predate the attached.

Let me know if there is something else I can help with.

Thomas J. Moore, P.E.
 Regional Engineering Manager
 DEQ Lewiston Region Office
 1118 F Street
 Lewiston, ID 83501
 Phone (208) 799-4370
 Fax (208) 799-3451
 Thomas.Moore@deq.idaho.gov

From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Wednesday, August 15, 2007 4:42 PM
To: Thomas Moore
Subject: Assistance with HDI water right

Good afternoon,

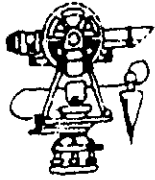
I am reviewing documents and plans pertaining to a lapsed water right in the Lewiston area. I am hoping you can point me to the right person in your agency to contact for additional information

HDI Incorporated's water right permit for the View Pointe subdivision in Lewiston lapsed because proof of beneficial use was not submitted to IDWR by the due date. HDI is trying to recover from this omission and have submitted a package of documents for our review.

I understand that at least some of the improvements to the water system for that subdivision, may have been cleared through DEQ. But I am not seeing any DEQ documents in the package they submitted to us. I am hoping to collect additional information from you that I can use determining the system capacity or water use established by 2005.

8/16/2007

GARY R. STONE & ASSOCIATES, INC.



PROFESSIONAL LAND SURVEYING & ENGINEERING

1712 "G" STREET LEWISTON, IDAHO 83501

PHONE (208) 746-2517 · FAX (208) 746-0376

RECEIVED

MAR 16 2004

DEQ-LRU

View Point Subdiv.
Leed Engr.

March 2, 2004

Mr. Tom Moore PE
Water Quality Engineer
Idaho Department of Environmental Quality
1118 "F" Street
Lewiston, Idaho 83501

Dear Tom:

Mr. Rick Woods and Mr. Bryan Hasenoehrl developers of View Point Subdivision requested evaluation of the water system to determine available supply and supply pressures at the resident. The water system engineering report of 7/1/00 (Section I – Background/Project Description/Section II Water demands/Design Criteria and Capacities) is provided as attachment # 1.

Documentation Review

The engineering report of 7/1/00 included the following design parameters:

Water Demand

Average daily demand @ 1.2 gpm/unit

1728 gal/day/unit

Design maximum daily demand = 2 * average daily demand @ 12 hour duration

= 2.4 gpm/unit * 12 hr/unit

= 1728 gal for 12 hr. period/unit

Design peak hourly demand = 5 * design daily demand @ 1 hour

Duration = 6 gpm * 1 hour = 360 gal/hr/unit

Existing System Analysis – Flow Test (2/22/04)

Booster Station

Beginning pressure @ high point of distribution system = 69 psi @ 10 gpm demand

Maximum discharge to maintain minimum design pressures of 42 psi @ high point of distribution system = 192 gpm

Supply Well

Pump discharge @ 95% full storage tank level = 85.6 gpm

Note: Engineering report @ 84 gpm

2065

Attachment added to 1142

Storage

10,000 gallon storage tank (active storage)

Determination of Number of Hookups

Water source = Well supply * 80% = available daily average flow

$$85.6 \text{ gpm} * 80\% = 68 \text{ gpm}$$

*80% for Factor of Safety

$$68 \text{ gpm} / 1.2 \text{ gpm/connection} = 57 \text{ connections}$$

Water Supply (pump station)

Water supply @ peak hourly demand = $192 \text{ gpm} / 6 \text{ gpm/connection} = 32 \text{ connections}$

Storage Tank + Water Source

Available Supply = 10,000 gallons + 68 gal/min * 60 min.

$$= 10,000 \text{ gallons} + 4,080 \text{ gallons}$$

$$= 14,080 \text{ gallons availability}$$

Peak Hourly Demand = 360 gallons/connection

14,080 gallons available

$$360 \text{ gallons /connection}$$

$$= 39 \text{ connections}$$

Design Maximum Daily = Available supply (well only) = 85.6 gpm

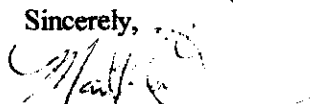
$$85.6 \text{ gpm/max daily @ } 2.4 \text{ gpm/connection} = 35 \text{ connections}$$

Analysis

Considering the flow pressure test information, the system is capable of providing water service to the maximum 32 hookups. However a second well would be required to exceed 25 services. The developers request approval to provide service to 16 lots at the time.

Thank you for consideration of the above request. If further information is needed, please give me a call at (208) 746 – 2517.

Sincerely,



Mark P. Von Lindern P.E.

Cc. Rick Woods
Bryan Hasenoehrl



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1118 F Street • Lewiston, Idaho 83501-1930 • (208) 799-4370

Dirk Kempthorne, Governor
C. Stephen Allred, Director

April 28, 2004

Mark Von Lindern, P.E.
Gary R. Stone & Associates, Inc.
1712 G Street
Lewiston, ID 83501

RE: Record # 2065; View Point Subdivision Report Addenda:

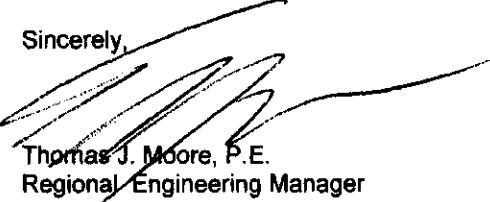
Dear Mr. Von Lindern:

The information provided by you will be appended to the report; it appears acceptable for inclusion under IDAPA 58. 01.08.550.

Any major changes or changes which would result in violations of Idaho regulations must be reviewed by this office prior to approval of design documents.

Please don't hesitate to contact me if you have questions or comments. My phone number is 208-799-4370 and e-mail address is tmoore@deq.state.id.us.

Sincerely,



Thomas J. Moore, P.E.
Regional Engineering Manager

cc: Kerby M. Cole, P.E., DEQ-LRO Regional Administrator