



State of Utah

Department of
Environmental Quality

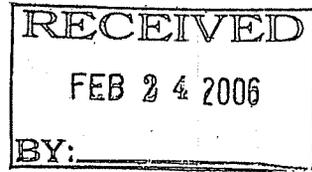
Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF DRINKING WATER
Kevin W. Brown, P.E.
Director

Drinking Water Board
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Executive Secretary

JON M. HUNTER, JR.
Governor

GARY HERBERT
Lieutenant Governor



February 23, 2006

Joe Steed
South Duchesne Culinary Water
P.O. Box 294
Duchesne, Utah 84021

Dear Mr. Steed:

Subject: Operating Permit for 0.3 MG Storage Tank and Phase 2 Waterline

On February 13, 2006 we received a request for an Operating Permit for the referenced project. The Division has received the bacteria test results indicating the absence of bacteria, at the project, the Engineers certification of the rule of conformance, statement indicating changes during construction conform to regulations and a statement that the as-built drawings were received by the Owner.

An Operating Permit is hereby issued as constituted by this letter, as outlined in R309-500-4 (1). If you have any questions or need further assistance, please call Mike Pfeiffer, of my staff, at (801) 536-4015.

Sincerely,

DRINKING WATER BOARD

Kevin W. Brown, P.E.
Executive Secretary

MSP

cc: Uintah County Health Department
Daren Anderson, P.E., ESI, P.O. Box 1485, Vernal, Utah, 84078

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State of Utah

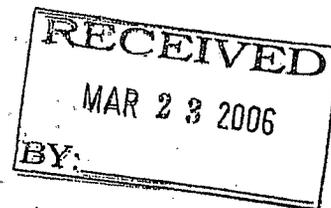
Department of
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GARY HERBERT
Lieutenant Governor



March 21, 2006

Joe Steed
South Duchesne Culinary Water
P.O. Box 358
Duchesne, Utah 84021

Dear Mr. Steed:

Subject: Capacity Assessment Review, System # 07067

Per your request we have reviewed the capacity of your system as it stands today to determine the number of connections that can be served according to the Division of Drinking Water rules. The assessment included the source (Duchesne City connection) and contract to supply the water, booster station capacity and the storage capacity.

After a sanitary survey conducted on February 2, 2006 it was concluded that outside irrigation will not be included as part of the system requirements. There were no fire hydrants located throughout the system. After discussion with Darrin Brown of the TriCounty Health Department it was understood that because the system is outside of the city limits therefore fire protection cannot be required by the city. County fire flow requirements have not been determined as of this date consequently fire flows are not included in the assessment.

Source:

South Duchesne Water contracted with Duchesne City to provide 450 gpm at the booster station. An analysis on the Duchesne City water system by Sunrise Engineering on February 17, 2004 indicates that the City cannot maintain 450 gpm during peak day demand and maintain fire protection within the City unless certain City lines were upsized. To date the lines mentioned in the Sunrise report have not been replaced. Once the lines have been upgraded the City should be able to provide indoor water for 804 connections in South Duchesne Water using peak day requirements of 0.56 gpm/connection.

The booster station has 3 – 40 Hp pumps, each with a capacity of 240 gpm @ 877 feet of head. This will be able to handle the delivered water.

Storage:

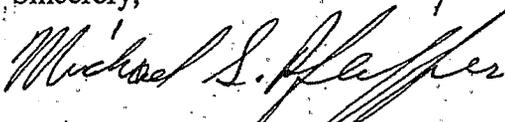
With the addition of the 300,000 gallon reservoir, the total storage for the system is 330,000 gallons. With 400 gallons/connection required for indoor use South Duchesne should be able to provide for 825 connections.

Conclusions:

1. Although Duchesne City is contracted to supply 450 gpm this amount cannot be met during peak day demand and keep enough water for fire protection.
2. Until the changes at the required locations indicated in the Sunrise Engineering report are made the State cannot approve the additional connections to the South Duchesne Water system.
3. Once the City can safely deliver the 450 gpm to the booster station, South Duchesne Water should be able to provide for 804 connections.

If you have any questions please contact me at (801) 536-4150.

Sincerely,



Michael S. Pfeiffer, P.E.



JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

State of Utah

Department of
Environmental Quality

Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF DRINKING WATER
Kevin W. Brown, P.E.
Director

March 27, 2006

Joe Steed
South Duchesne Culinary Water
P.O. Box 358
Duchesne, Utah 84021

Dear Mr. Steed:

Subject: Capacity Assessment Review explanation, System # 07067

This letter is a follow-up to the one sent March 21, 2006 clarifying capacity assessment of your system.

In referencing the April 4, 2004 letter from James Brough of this office, Duchesne City can currently provide South Duchesne Water with enough water to have 298 connections for peak day indoor use.

South Duchesne Water has a total of 330,000 gallons of storage. With no other requirements other than indoor use the storage capacity exceeds the State Drinking Water storage requirement for 298 connections.

If you have any questions please contact me at (801) 536-4150.

Sincerely,

Michael S. Pfeiffer, P.E.

Cc: Joseph B. Shaffer, TriCounty Health Department

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State of Utah

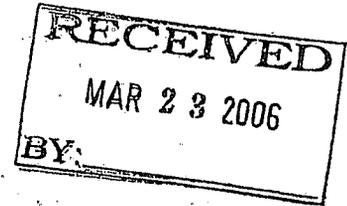
Department of
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March 21, 2006

Joe Steed
South Duchesne Culinary Water
P.O. Box 358
Duchesne, Utah 84021

Dear Mr. Steed:

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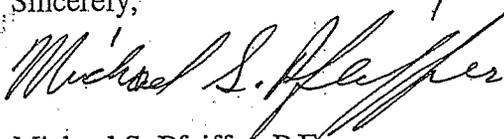
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If you have any questions please contact me at (801) 536-4150.

Sincerely,



Michael S. Pfeiffer, P.E.