exhibit MM

JUNO

Print Message | Close

From : "Kate Johnson" <katej@utah.gov>
To : <lorikilgore@juno.com>
Subject : map
Date : Thu, Jan 27, 2011 02:33 PM
Attachment(s) : 1 photo(s)/image(s) | 1 file(s)/document(s) | Total File Size: 1.0M

Lori, this map came from the Division of Water Rights web site, this should actually be a pretty good representation of the system, at least when it was first approved. I'll keep looking, Kate

Kate Johnson, M.S., P.G.

Environmental Program Manager
Administrative Services Section
Source Protection Program
Utah Dept. of Environmental Quality
Division of Drinking Water
P.O. Box 144830
Salt Lake City, Utah 84114-4830
801-536-4206 (office)
801-674-2553 (cell)
801-536-4211 (fax)

Office Hours: 7 am to 6 pm, Monday through Thursday.

website: http://drinkingwater.utah.gov

Office Location: 195 North, 1950 West, Salt Lake City. Maps: http://www.mapquest.com/maps?city=Salt+Lake+City&state=UT&address=195+N+1950+W&zipcode=84116-3097&country=US&latitude=40.773518&longitude=-111.947316&geocode=ADDRESS

Please consider the environment before you print this e-mail. Thanks!

Photos & Images

Help

Click on an image below to enlarge. Then print or save the image.

Show Thumbnails

a90700by.TIF
(1.0MB)

Text & Documents

Help

(1KB)

! No Virus Detected (Learn More)

CEDAR RIDGE SUBDIVISION
PHASE I
PART OF THE NORTH 1/2 OF SECTION 32, T12N, R2W, S.L.B.& M.

BEAR RIVER DISTRICT
HEALTH DEPARTMENT APPROVAL

WASTE DISPOSAL SYSTEM AND CULINARY WATER APPROVED THIS 21st DAY OF September, 1978.

SIGNED *Willard K. Hill*
TITLE: DISTRICT SANITARIAN

CENTERLINES AND BOUNDARIES

NO	BEARING	DIST	NO	BEARING	DIST
A	S87°40'42"E	66.00	D	N48°42'22"E	17.18
B	S43°17'36"E	18.00	E	N83°08'44"E	45.00
C	S87°20'42"E	79.80			
			4	S87°42'29"W	90.00
1	N23°12'04"E	37.58	8	N89°56'00"W	33.00
3	S67°07'41"E	33.00			

CURVE DATA

NO	Δ	RAD	ARC	TAN	CHORD	CHORD BRG
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

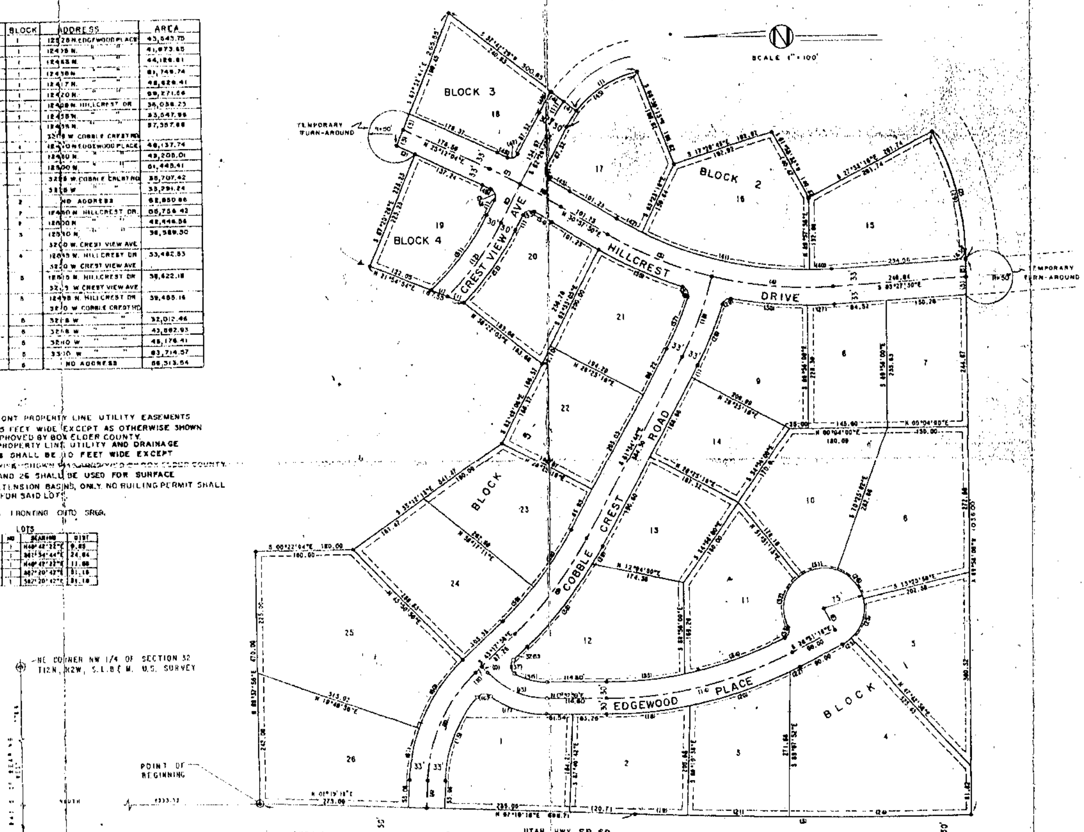
LOT	BLOCK	ADDRESS	AREA
1	1	12528 N. EDGEWOOD PLACE	45,543.70
2	1	12435 N. " "	41,873.65
3	1	12465 N. " "	44,186.61
4	1	12456 N. " "	61,749.74
5	1	12417 N. " "	48,626.41
6	1	12420 N. " "	69,271.64
7	1	12400 N. HILLCREST DR	36,056.25
8	1	12438 N. " "	33,647.96
9	1	12495 N. " " / 3200 W. COBBLE CREST RD	37,367.66
10	1	12470 N. EDGEWOOD PLACE	46,137.74
11	1	12480 N. " "	43,205.01
12	1	12500 N. " "	61,445.41
13	1	3235 W. COBBLE CREST RD	35,707.42
14	1	3210 W. " "	33,291.24
15	2	NO ADDRESS	62,650.66
16	2	12480 N. HILLCREST DR.	66,756.42
17	2	12600 N. " "	42,446.56
18	3	12510 N. " " / 3200 W. CREST VIEW AVE	36,589.50
19	4	12645 N. HILLCREST DR / 3220 W. CREST VIEW AVE	33,482.53
20	5	12615 N. HILLCREST DR / 3215 W. CREST VIEW AVE	36,422.18
21	5	12498 N. HILLCREST DR / 3210 W. COBBLE CREST RD	39,485.16
22	5	3216 W. " "	32,012.46
23	5	3256 W. " "	43,662.93
24	5	3280 W. " "	46,176.41
25	5	3310 W. " "	63,714.57
26	5	NO ADDRESS	66,313.64

NOTES:

1. ALL LOT FRONT PROPERTY LINE UTILITY EASEMENTS SHALL BE 5 FEET WIDE EXCEPT AS OTHERWISE SHOWN AND AS APPROVED BY BOX ELDER COUNTY.
2. ALL REAR PROPERTY LINE UTILITY AND DRAINAGE EASEMENTS SHALL BE 10 FEET WIDE EXCEPT AS OTHERWISE SHOWN AND APPROVED BY BOX ELDER COUNTY.
3. LOTS 15 AND 26 SHALL BE USED FOR SURFACE RUNOFF DETENSION BASINS, ONLY. NO BUILING PERMIT SHALL BE GIVEN FOR SAID LOTS.
4. NO HOMES FRONTING ONTO SR69.

LOTS

BLOCK	LOT	NO	BEARING	DIST
1	1	1	N48°42'22"E	9.85
1	9	1	S87°54'44"E	24.64
1	12	1	N48°42'22"E	11.66
1	19	1	S87°20'42"E	31.18
1	20	1	S87°20'42"E	31.18



ONE-SEO ENGINEERING, INC.
CIVIL ENGINEERS LAND SURVEYORS
BRIGHAM CITY, UTAH

COUNTY PLANNING COMMISSION APPROVAL

APPROVAL AS TO FORM

COUNTY ENGINEER'S CERTIFICATE

I CERTIFY THAT I HAVE HAD THIS PLAT EXAMINED AND FIND THAT IT IS CORRECT AND IN ACCORDANCE WITH THE INFORMATION ON FILE IN THIS OFFICE.

DATE / COUNTY ENGINEER

ACKNOWLEDGEMENT

STATE OF UTAH
COUNTY OF BOX ELDER

ON THE 8th DAY OF SEPT., 1978, PERSONALLY APPEARED BEFORE ME THE UNDERSIGNED NOTARY PUBLIC, IN AND FOR SAID COUNTY OF BOX ELDER IN SAID STATE OF UTAH, THE SIGNER'S OF THE ATTACHED OWNER'S DEDICATION, 2 IN NUMBER, WHO DULY ACKNOWLEDGED TO ME THEY SIGNED IT FREELY AND VOLUNTARILY AND FOR THE PURPOSES THEREIN MENTIONED.

MY COMMISSION EXPIRES *Aug 15, 1981*
NOTARY PUBLIC

COUNTY COMMISSION APPROVAL & ACCEPTANCE

PRESENTED TO THE *Box Elder Co. Comm.* THIS 21st DAY OF *August*, A.D. 1978 AT WHICH TIME THIS SUBDIVISION WAS APPROVED AND ACCEPTED.

ATTEST: CLERK / CHAIRMAN

CORPORATE ACKNOWLEDGEMENT

STATE OF ______
COUNTY OF ______

ON THE ____ DAY OF ______, 19__, PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC IN AND FOR SAID STATE AND COUNTY, ______ AND AFTER BEING DULY SWORN ACKNOWLEDGED TO ME ______ OF SAID CORPORATION AND THAT HE SIGNED THE OWNER'S DEDICATION FREELY, VOLUNTARILY AND IN BEHALF OF SAID CORPORATION FOR THE PURPOSES THEREIN MENTIONED.

MY COMMISSION EXPIRES ______
NOTARY PUBLIC

SURVEYOR'S CERTIFICATE

I, O. NEIL SMITH, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 2337, AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS AND STREETS, HEREAFTER TO BE KNOWN AS: CEDAR RIDGE SUBDIVISION PHASE I AND THE SAME HAS BEEN CORRECTLY SURVEYED AND ALL STREETS ARE THE DIMENSIONS SHOWN.

BOUNDARY DESCRIPTION

BEARING	DISTANCE	
		STARTING AT THE NE CORNER OF NW 1/4 OF SECTION 32, T12N, R2W, S.L.B.& M., U.S. SURVEY;
		RUNNING THENCE TO THE POINT OF BEGINNING WHICH IS
WEST	778.61'	THENCE
SOUTH	1333.32'	FROM SAID NE CORNER OF NW 1/4 OF SECTION 32; THENCE
N89°37'56"E	470.00'	THENCE
S00°22'04"E	180.00'	THENCE
S35°12'13"E	341.47'	THENCE
S62°49'08"E	166.37'	THENCE
N36°22'03"E	183.66'	THENCE
N21°54'54"E	187.55'	THENCE
S67°20'26"E	273.23'	THENCE
N23°12'04"E	37.58'	THENCE
S67°57'41"E	265.55'	THENCE
S37°42'29"W	300.83'	THENCE ON THE ARC OF A CURVE WHOSE RADIUS IS
	200.00'	A DISTANCE TO THE RIGHT OF
	135.74'	THENCE
S68°39'15"W	186.82'	THENCE
S17°29'45"E	192.92'	THENCE
S61°58'32"W	140.47'	THENCE
S27°32'10"W	261.74'	THENCE ON THE ARC OF A CURVE WHOSE RADIUS IS
	512.09'	A DISTANCE TO THE RIGHT OF
	246.85'	THENCE
N89°56'00"W	1036.00	TO THE EAST LINE OF SR 69 THENCE ON THE ARC OF A CURVE WHOSE RADIUS IS
	11409.20'	A DISTANCE TO THE RIGHT OF
	626.92'	THE LAST TWO COURSES BEING ALONG SAID EAST LINE, THENCE
N02°19'18"E	696.71'	TO THE POINT OF BEGINNING.

CONTAINING 32.797 ACRES
26 LOTS

9-7-78 DATE / *O. Neil Smith* SIGNATURE

OWNER'S DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED OWNERS OF THE ABOVE DESCRIBED TRACT OF LAND HAVING CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS AND STREETS TO BE HEREAFTER KNOW AS CEDAR RIDGE SUBDIVISION AND DO HEREBY WARRANT AND SAVE THE CITY HARMLESS FROM ANY EASEMENTS AND INCUMBRANCES AND DO HEREBY DEDICATE FOR THE PERPETUAL USE OF THE PUBLIC ALL PARCELS OF LAND SHOWN ON THIS PLAT AS INTENDED FOR PUBLIC USE.

IN WITNESS WHEREOF WE HAVE HEREUNTO SET OUR SIGNATURE THIS 8th DAY OF Sept. AD 1978.

David Z. Thompson
DAVID Z. THOMPSON
Trudy Ann Thompson
TRUDY ANN THOMPSON

SALT LAKE BASE & MERIDIAN

JUNO

Print Message | Close

From : "Kate Johnson" <katej@utah.gov>
To : <lorikilgore@juno.com>
Subject : Second map
Date : Thu, Jan 27, 2011 02:43 PM
Attachment(s) : 1 photo(s)/image(s) | Total File Size: 48K

Lori, here is another map, showing the two wells and a storage tank, unfortunately not too detailed, sorry. Also from water rights.

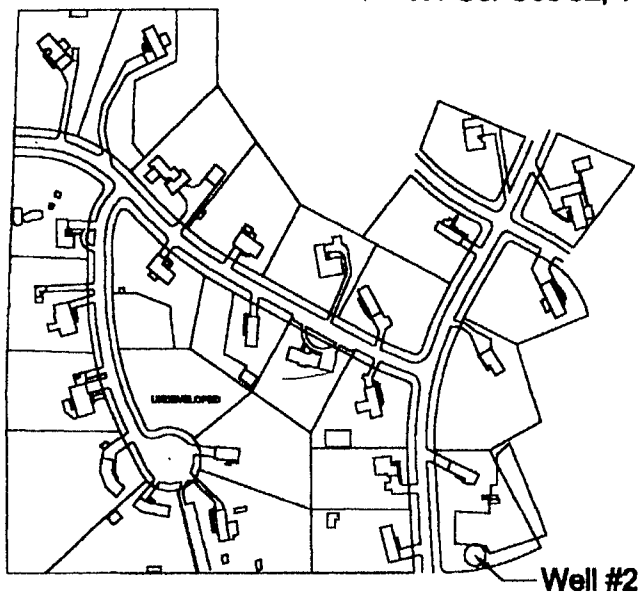
Help

Click on an image below to enlarge. Then print or save the image.

e2070136-1.TIF
(48KB)

Attachments Scanned - No Virus Detected (Learn More

◆ N4 Cor Sec 32, T 12N, R 2W, SLBM (Point shown is not exact location)



Storage Tank

Well #1

POINTS OF DIVERSION

Well #1: South 3063 ft and East 1272 ft from the N4 cor;
Well #2: South 2617 ft and East 301 ft from the N4 cor.

PROOF OF BENEFICIAL USE OF WATER
STATE OF UTAH

CEDAR RIDGE DISTRIBUTION CO., INC
WATER RIGHT NUMBER: 29 - 2099
APPLICATION NUMBER: a13640

DATE OF SURVEY	SCALE	ENGINEER:	LICENSE NO:
AUG 2003	1" = 400'	Frank Walker	178519

JUNO

Print Message | Close

From : "Kate Johnson" <katej@utah.gov>
To : <lorikilgore@juno.com>
Subject : Documents
Date : Thu, Jan 27, 2011 02:54 PM
Attachment(s) : 3 file(s)/document(s) | Total File Size: 921K

Lori, these are documents regarding inspections of your system. The older of the two has a pretty good narrative description of the system, although I wasn't able to find a map. I don't see a record of plan reviews, so they were probably done so long ago that they aren't in our computer. I have to go to a meeting at 3, but I'll call you later this afternoon, after 4. thx

Kate Johnson, M.S., P.G.

Environmental Program Manager
Administrative Services Section
Source Protection Program
Utah Dept. of Environmental Quality
Division of Drinking Water
P.O. Box 144830
Salt Lake City, Utah 84114-4830
801-536-4206 (office)
801-674-2553 (cell)
801-536-4211 (fax)

Office Hours: 7 am to 6 pm, Monday through Thursday

website: http://drinkingwater.utah.gov

Office Location: 195 North, 1950 West, Salt Lake City ... &city=Salt+Lake+City&state=UT&address=195+N+1950+W&zipcode=84116-3097&country=US&latitude=40.7735155 ...

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Files & Documents

Help

Cedar Ridge (2).PDF (761KB)
Cedar Ridge (1).PDF (161KB)
Kate Johnson.vcf (1KB)

Attachments Scanned - No Virus Detected (Learn More)

BEAR RIVER DISTRICT HEALTH DEPARTMENT

655 East 1300 North • Logan, Utah 84321
Phone: 752-3730

Health Promotion • Disease Prevention • Environmental Protection

new source

UT0202051

RECEIVED
APR 10 1992
Utah Department of Environmental Quality
Division of Drinking Water

April 8, 1992

David Z. Thompson
Cedar Ridge Water System #02051
Box 40
Deweyville, UT 84309

Dear Mr. Thompson:

Re: Sanitary Survey

Enclosed is a copy of the report of survey summarizing the results of the sanitary survey conducted April 8, 1992 on the Cedar Ridge Water System. I appreciate you taking the time to show me the system. Please review the report and take the necessary steps to complete the items listed in the Conclusions and Recommendation portion of this report.

If I can be of further assistance, or if you have any questions, please contact our office.

Sincerely,

Grant W. Koford

Grant W. Koford, M.S.
Environmental Health

cc: David F. Hansen, M.P.H.
Division of Drinking Water

REPORT OF SURVEY

Bear River Health Department
Division of Environmental Health

CEDAR RIDGE WATER SYSTEM

On Wednesday, April 8, 1992, a sanitary survey of the culinary water system was conducted by David Thompson of the Cedar Ridge Water System and Grant Koford of Bear River Health Department. The following report describes the physical features of the system and makes conclusions and recommendations regarding deficiencies noted during the survey.

General Description

Cedar Ridge Subdivision obtains its water from two sources, an old well (drilled in 1976) and from a new well. Cedar Ridge Subdivision is on the east side of Highway 69 between Honeyville on the south and Deweyville on the north. This water system serves approximately 50 residents through 21 different connections.

Sources

Old Well:

The old well was drilled in 1976 and was originally equipped with a submersible 70 hp pump that has recently been replaced by a submersible 7.5 hp pump. It is located on the hillside east of the subdivision. This well has an 8 inch casing and was drilled to approximately 330 feet with grouting to 100 ft. It pumps directly into the reservoir. This well is equipped with a shut off valve, sampling tap, pump to waste valve, two (2) check valves (one at the bottom of the pump and one mounted in the in-line piping above ground). There were no pressure gauges, or meters of any type associated with this well. The well appeared to be properly sealed, however, there was a small 1 inch square piece cut out of the outside casing that extended above the pump house floor. This opening should be sealed to prevent any possible chance for contamination.

This well is housed in a 10x12 cinder block building with a wooden roof and concrete floor. It is properly heated but at the time of this survey the lighting and ventilation were not adequate. The door to the building did not seal properly at the bottom and mice were evident in the building. A 2 sq. ft. piece of concrete was cut out of the floor when this well was telemetered to the reservoir. Currently, work is being done on the control box for the telemetric system. When this work is completed, all loose wiring should be sealed back in this box. In addition, all other loose wiring should be contained in metal conduit and a drain to daylight should be installed in the floor. Vandals have shot-out outside lighting and damaged the lock on the door, however, this has been repaired.

This well supplied an adequate amount of water until June of 1987 when it went dry throughout the summer. Each June from 1987 to 1991 this well would go dry, however, in 1992 this well went dry in February and started to pump air. During this period (Feb. 1992) a coliform positive sample was taken. Since Cedar Ridge has switched over to the new well, samples have again been satisfactory. It appears that when the water supply to the old well is depleted and the pump starts pumping air, it also picks-up various bacterial contamination that may be present.

New Well:

The new well is located on the east side of the subdivision, across the street from a residential home. It is all constructed underground except for the transformer, electrical meter and control box, and the capped end of the pump, which is locked. The well pumps from the south side of the well casing (four feet below ground level) to the distribution line and then fills the reservoir. A 55 gallon drum with a lid acts as the access manhole to the discharge point in the well casing. This well is 400 plus feet deep and is grouted to 100 feet. It is equipped with a 20 hp pump and a 16 inch casing.

Storage

Cedar Ridge storage capacity is provided by two 75,000 gallon concrete reservoirs (150,000 gallon total) constructed side by side and set at the same elevation. Each tank has a 2 ft. raised access manhole with a locked shoebox lid and a inverted "J" screened air vent. The electric well probes are inserted into the roof of the tank through a metal box that has been mounted and sealed on roof. The telemetric wires come up from the ground through a 5 foot diameter galvanized pipe located on the southeast side of the tank.

Distribution System

The distribution system consists of 6 and 8 inch, 200 lb. PVC pipe. There are no meters at any point on the system. The distribution system pressures were reported to be 66 lbs. on the east side of the subdivision and 120 lbs. on the west side with pressure reducing valves on the west side.

Vulnerability Assessment

Both well sources are deep in nature, properly grouted and equipped with a sanitary seal and will be considered non vulnerable.

Recommendations and Conclusions

1. The hole that has been cut on the side of well casing on the old well needs to be sealed to prevent any possible chance for contamination.

2. All deep wells shall be isolated from concentrated sources of pollution for a distance of at least 100 feet. Please be aware of this as Cedar Ridge Subdivision is further developed.

3. A "drain-to-daylight" must be provided for the old well pump house.

4. Well discharge piping shall be equipped with a pressure gauge and a means of measuring flow.

5. The discharge end of the pump to waste line and the reservoir drain line shall be covered with a #4 mesh corrosion resistant screen.

6. The pump house for the old well should be sealed so that rodents cannot enter and maintained so that adequate lighting and ventilation exists.

7. All loose wires in the pump house should be contained in metal housing or conduit.

BEAR RIVER HEALTH DEPARTMENT

655 East 1300 North • Logan, Utah 84341
Phone: (801) 752-3730
Fax: (801) 750-0396

RECEIVED
SEP 28 1995
Utah Department of Environmental Quality
Division of Drinking Water

0205

September 27, 1995

David Thompson
Cedar Ridge Subdivision
12435 North Hillcrest
Deweyville, UT 84309

Re: Drinking Water Facilities Evaluation

Dear Mr. Thompson:

Enclosed is the Drinking Water Facilities Evaluation for the Cedar Ridge Subdivision Water System conducted September 25, 1995. I appreciate your assistance in conducting the evaluation.

Effective January 1, 1996, the Utah Public Drinking Water Rules will include a new system of evaluating public water systems. All public water systems will receive a rating from 0 to 150 points based on violations of bacteriological samples, chemical samples, and the system evaluation. Any system receiving 150 points or more will be rated "Not Approved" if correction are not made.

On a trial run of this new process, Cedar Ridge Water System received 165 points on the physical facilities evaluation. Although the 165 points accumulated on this evaluation will not be added to Cedar Ridge's total points, violations on chemical and bacteria samples will be part of the total points and will be retroactive beginning January 1, 1995. Up to this point, Cedar Ridge's bacteria samples have all been satisfactory during 1995.

For your future information, the laboratory at Thiokol (Dennis Fife, 863-2271) is now accepting chemical drinking water samples. Ford Labs, 466-8761, Chem Tech 262-7299, and the State Lab 584-8400 continue to accept chemical samples.

Conclusions and Recommendations:

1. A Drinking Water Source Protection Plan for Cedar Ridge Water System is due by 12/31/98. You may contact Bob Lowe (536-4149) at the Division of Drinking Water for complete details.

2. Please submit a copy of your Bacteriological Sampling Site Plan to our office (please refer to appendix 4).

817 West 950 South
Brigham City, Utah 84302
Phone: 734-0845
Fax: 734-0848

125 South First West
Tremonton, Utah 84337
Phone: 257-3318
Fax: 257-1628

Courthouse
Randolph, Utah 84064
Phone: 793-2445
Fax: 793-2444

3. A written Cross Connection Control Ordinance must be developed for Cedar Ridge. A narrative of how the program is implemented and the procedures used to enforce cross connection control should be included. Please refer to the Cross Connection section on the evaluation form (page 2) as to the components that should be addressed in the ordinance.

4. A Lead and Copper Sampling Site Plan should be developed for the Cedar Ridge System according to the guidelines in appendix 3. New homes built after 1986 should not be included in the plan.

5. The top of the casing in both wells shall be effectively sealed against the entrance of any possible contamination R309-106-5(7)(c)(i).

6. The discharge piping on all wells should include a means of measuring flow and a pressure gauge R309-106-5(7)(e). It was indicated during the survey that the measuring devices have been ordered.

7. When a well pumps directly into a distribution system, it must be equipped with an air release or an air and vacuum relief valve located upstream from the check valve. The end or exhaust piping must terminate in a down-turned position at least six inches above the floor and covered with a No. 14 mesh corrosion resistant screen R309-106-5(7)(c).

8. Well house floor drains must "drain-to-daylight" R309-106-5-8. The current drain consists of a sand and gravel sump through the floor of the well house. The soil in the area consists of gravel. This drain appears to be functioning satisfactorily and it is our recommendation that a waiver be granted on this item. Please contact the Division of Drinking Water concerning this item.

9. The end of the overflow pipe on the storage reservoirs must be screened with a No. 4 mesh corrosion resistant screen.

If you have any questions, please contact our office.

Sincerely,

Grant Koford

Grant Koford, M.S., EHS
Division of Environmental Health

cc: David F. Hansen, M.P.H.
Division of Drinking Water

C. DRINKING WATER FACILITY EVALUATION

1. Administrative Issues

(Office Interview)

System Name Cedar Ridge Subdivision Number 02051

Survey Date 9-25-95

Name of Surveyor Grant Koford

Water System Representative(s)/Others accompanying survey:

David Thompson Phone 257-7152

Lawrence Behrmann Phone 257-7684

_____ Phone _____

10 points will be credited to a water system with a current Emergency Response Program.

0 or 10 Points 0

10 points will be credited to a water system which has a written Financial Management Plan; including an appropriate rate structure, infra-structure replacement plan, master plan.

0 or 10 Points 0

Total Points Credited 0

2 points may be assessed to a COMMUNITY water system that does not provide an annual report to the Division of Drinking Water. (Division of Water Resources)

0 or 2 Points 0

Service Data

Have there been any interruptions in service during the last five years? Yes [ ] No [X]

If yes, please explain when, why and the duration.

_____

_____

_____

_____

_____

_____

COMPLETE AND RETURN

Source Monitoring

5 points will be assessed to a water system which does not have an adequate bacteriological sampling site plan * Refer to appendix 4

0 or 5 Points 5

10 points will be assessed to a water system which does not have an adequate Lead/Copper sampling site plan * Refer to appendix 3

0 or 10 Points 0

Cross Connection

50 points will be assessed to a water system that does not have any of the below listed components of a cross connection control program.

0 or 50 Points 50

Describe why 50 points were assessed _____

A water system which only has some of the components of a cross connection control program shall be assessed the following number of points.

10 points will be assessed to a water system which does not have local authority to enforce a cross connection program (i.e., ordinances, bylaws or policies).

0 or 10 Points _____

10 points will be assessed to a water system which does not provide public education or awareness material presentations on an annual basis.

0 or 10 Points _____

10 points will be assessed to a water system which does not have an operator with training in the area of cross connection.

0 or 10 Points _____

10 points will be assessed to a water system with no written records of cross connection activities, such as, backflow assembly inventories, hazard assessments, and/or test history.

0 or 10 Points _____

10 points will be assessed to a water system which does not have an on-going enforcement activity plan.

0 or 10 Points _____

C. DRINKING WATER FACILITY EVALUATION

2. Wells

(Field Interview)

System Name Cedar Ridge Subdivision Number 02051

Source Number 01 Source Name Well #1

Location Hillside above Cedar Ridge Subdivision

Period of Use Year Round Latitude 41-42-17.0 Longitude 112-19-42.0

A. Well Seal

50 points will be assessed for any well that does not have a sanitary seal or has unsealed openings in the top of the well that could allow contamination to enter the well. A properly installed and maintained pitless adapter will meet this criteria if it has been approved by the Division of Drinking Water for the specific installation.

0 or 50 Points 50

B. Proper Lubrication Oil

25 points will be assessed for any well that requires oil lubrication if the oil used is not a mineral grade suitable for human consumption.

0 or 25 Points 0

C. Elevation of Top of Well Casing

1 to 20 points will be assessed for any casing that does not extend at least 12" above the concrete floor or 18" above the ground, or five feet above the highest flood level. No points will be assessed if a properly installed and approved pitless adapter is used. Range of points will be determined by degree of exposure to flooding, drainage, condition of floor and other factors which may jeopardize the integrity of the wellhead. If insufficient height above floor or ground, identify any conditions or factors which could jeopardize the well's sanitary integrity.

0 to 20 Points 0

Explanation of assigned points _____

D. Screening of Well Casing Vent

5 points will be assessed for a well casing vent that is not properly covered with a number 14 mesh screen.

0 or 5 Points 0

E. Well Discharge Piping Equipment

1 point assessed for each of the following items which are not present or serviceable on the discharge piping: (1) a smooth nosed sampling tap (2) a check valve (3) a pressure gauge (4) a flow measuring device and/or (5) a shut off valve. CIRCLE ITEMS NOT FOUND OR NOT SERVICEABLE, AND IDENTIFY IF THEY ARE NOT IN THE ORDER LISTED.

0 to 5 Points 2

Explanation of assigned points _____

F. Discharge Piping Air Vent

1 to 5 points assessed for each well that does not have an air relief valve on the discharge piping. Relief Valve piping must be turned down and properly screened with number 14 mesh screen. Integrity of screen must be determined.

0 to 5 Points 2

Explanation of assigned points Air Relief Valve is not completely downturned + does not have a screen

G. Well House Floor Drain

1 to 5 points assessed for well houses that do not have a drain to daylight floor drain that is fully serviceable. Where does the drain end up?

0 to 5 Points 1

Explanation of assigned points Drains into sand + gravel bed around distribution pipe

Total Points Assessed 55

ADDITIONAL REQUIRED INFORMATION (no points assessed)

Is this source covered in a source protection plan? Yes [ ] No [X]

Is a current well log available for this well? Yes [ ] No [ ]

Current flow rate (determined during survey) 500 gpm Test Pump Size of Well Casing 8" inches

Type of Pump: Verticle turbine _____ Submersible X

Size of discharge piping _____ inches. Brand of pump _____ Model _____

Motor Information

Brand _____ Model _____

Horsepower 7.5 Voltage _____

Is there a pump to waste line with an adequate air gap (twice pipe diameter)? Yes [ ] No [ ]

If there is a Pump House, is it secure? Yes [X] No [ ]

Does it have adequate heating? Yes [X] No [ ]

Does it have adequate lighting? Yes [X] No [ ]

Does it have adequate ventilation? Yes [X] No [ ]

Is the floor elevation at least 6 inches above the surrounding ground elevation? Yes [ ] No [ ]

OTHER OBSERVATIONS OR COMMENTS

C. DRINKING WATER FACILITY EVALUATION

8. Source Protection

(Field Interview)

NOTE: Attach this to each source worksheet for wells and springs.

System Name Cedar Ridge Subdivision Number 02051

Source Number 01 Source Name well

Location Hillside above Cedar Ridge Subdivision

Period of Use Year Round Latitude 41 42 17.0 Longitude 112 19 47.0

NOTE: No points issued for any of the following information.

Is there a current source protection plan in place that covers this source?

Yes [ ] No [X]

Is there any potential sources of contamination within 5,000 feet upgradient of the water levels in the spring source or 5,000 foot radius of a well?

Yes [ ] No [X]

NOTE: (If a source protection plan has been established for this source, then the 5,000 feet distance shall be replaced by the delineated 3 year time of travel distance.)

Describe any potential sources such as fuel storage, septic tanks, pesticide or chemical storage tanks, industry, mining or feedlots? _____

Has the area within 5,000 feet upgradient of the water level in a spring or within 5,000 feet radius of a well been sprayed for insects or weed control in the last 10 years?

Yes [ ] No [X]

If yes, describe type and method of application of chemicals. _____

Is the source subject to any surface water intrusion or flooding at any time during the year?

Yes [ ] No [X]

Is there an adequate management plan in place to effectively eliminate the risk of contaminant sites polluting the source? Not in writing

Yes [ ] No [ ]