

February 20, 2004

Idaho Department of Water Resources
Eastern Regional Office
900 N. Skyline Drive, Suite A
Idaho Falls, Idaho 83402-1718

CC: Burgess Canal Co. File
Earnest Carlson – Supervisor Eastern Regional Office

Subject: Water Losses Study for Burgess Canal & Irrigation Co., Inc.
(Basin 25)

✓ To: Michael Holliday; Adjudication Agent, Basin 25

This document submits the water losses study and evidence to support the accounting of the Burgess Canal system water losses. The Overall Principle of Snake River Basin Adjudication (SRBA) states 1)"Water right is based on the extent of beneficial use" 2)"Water right recommendation is the maximum that can be justified and defended," and 3)"Delivery Losses are part of the recommended water rights."

Item 1 and 2 above are common to all Basin 25 water users with data and basis available by documented historical records. Working closely with the Adjudication Eastern Regional Office personnel and Boise Office support people these elements of water rights are active now and will be confirmed and validated. However, item 3; the "delivery water losses" of each canal are unique to each canal due to topography, surface soil structure, sub-surface soil structure, percolation, length of canal system, methods for delivery to headgates, maintenance and husbandry of canal systems and various other causes of water losses. Only the Water Master, Water Managers and Water Users of the canal systems can accurately determine canal system(s) water losses.

The gravelly base of the Ririe, Rigby, Grant, Ucon, Coltman and Garfield, Idaho areas of the Burgess Canal service area percolates water to the aquifer at higher levels than some other regions. Managers of the Burgess Canal must allow for this high percolation in the daily and monthly water budgets. Percolation of the main canal, lateral canals, and farmer owned delivery ditches is high even with the best conservation management practices. However, recharging of the Snake River Plain Aquifer is directly benefited by the percolation, which is essential for the overall management of Idaho's water.

The Burgess Canal Company has had an on-going aggressive program for water conservation and reduction of water losses over the past 12 years. This program includes USBOR cost-share projects to upgrade and automate our canal structures and headgates, shaping and straightening of the canal and sealing of leakage areas or conditions. This has resulted in water conservation and reduced water losses. However, the area of the Burgess Canal is gravelly with high percolation and seepage losses. Also, hot summer

days on the long reaches of the large canal and low humidity summer days enhance evaporation. Recent drought years have lowered the under ground water table which enhances percolation.

We believe that future water conservation efforts can reduce water losses further. However, the higher return conservation projects and actions have been completed and future efforts will have diminishing returns. Therefore we believe the study provided in the attachment provides the most accurate summary and evidence of our water losses that occur prior to the actual delivery of the water to the farmer's crop fields. The study is based on years, 2001, 2002, and 2003. These study years should be a conservative image of water loss due to drought conditions all three years lowering the total water supply. Also, many conservation actions were completed prior to the study period as discussed above. The study shows an overall delivery loss of 59.8% for the Burgess Canal Company System including lateral canals and farmer owned ditches. The breakdown of water losses is 24.8% for Main Canal (22 miles), 20% for laterals (4 to 10 miles each) and 15% for farmer owned ditches delivering to crop fields. You are requested to include this document and study to our Basin 25 adjudication file for future use and evidence as needed.

Respectfully,

A handwritten signature in dark ink, appearing to read "Lloyd Hicks", with a stylized, cursive script.

Lloyd Hicks
President
Burgess Canal & Irrigating Co., Inc.

Attachment
Water Loss Study

Attachment No. 1

Water Losses (Shrink) Study

For

Burgess Canal and Irrigating Co., Inc.

Including

- | | | |
|-----------|---|---|
| Section 1 | * | Main Burgess Canal Delivery System |
| Section 2 | * | Lateral Canals of the Burgess Canal |
| Section 3 | * | Individual Farmer Owned Service Ditches |
| Section 4 | * | Summary of Water Losses |

Total Water Losses, from Perculation, seepage, spillage, evaporation, evapo-transporation and other uncontrollable causes for the overall Burgess Canal System is 59.8%

January 2004

Prepared by: Lloyd Hicks, President
Burgess Canal & Irrigating Co., Inc.

Section 1. Water Losses study and Basis for water losses for the main Burgess Canal & Irrigating Co. Inc. System. (Feeder to Laterals and Ditches)

This study shows the
water loss for the main
Burgess Canal Company system.

The average water loss (shrink) for the
Main body of the Burgess Canal Company
is 24.8%

Tables No. 1, 2, and 3 show the actual discharge from the Great Feeder Canal into the Burgess Canal on a daily basis for three years.

Table No. 4 shows the actual delivery to lateral canal and feeder ditches from the Burgess Main Canal. The period of study for Table No. 4 was from May 16 through late July for each of the three years. Prior to mid to late May and after late July not all crops are being watered. The primary demand period for the Burgess Canal (mid May through late July) provides a period where all users are active and measurements are taken daily providing an accurate data base to determine water losses.

January 2004

Section 1. Main Body of Burgess Canal & Irrigating Co., Inc.
Water Losses

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

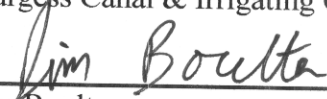
Confirmation for water losses that have been determined by repeated measurements of the Burgess Canal into the headgates of the lateral canals and ditches is provided in Table 1 through 4. These measurements of water flows and water budget management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 24.8% is applicable and used for water delivery. Water losses are due to percolation, seepage, spillages, evaporation, consumption by trees, plants on banks of canal and other uncontrollable causes.

I confirm that the above Water losses are applicable during the normal irrigating season each year, for the main body of the Burgess Canal.

 1/30/04

Lloyd Hicks President Date
Burgess Canal & Irrigating Co., Inc.

 2/02/04

Jim Boulter Date
Burgess Canal & Irrigating Co., Inc.
Water Master

20040120

13038110 BURGESS CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2001 TO OCTOBER 2002
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	---	---	---	---	---	---	0.0	896	909	446	397	181
2	---	---	---	---	---	---	0.0	875	910	472	398	181
3	---	---	---	---	---	---	0.0	867	914	485	398	175
4	---	---	---	---	---	---	0.0	884	915	486	398	175
5	---	---	---	---	---	---	0.0	901	920	489	398	243
6	---	---	---	---	---	---	475	905	916	460	398	175
7	---	---	---	---	---	---	479	901	904	476	399	175
8	---	---	---	---	---	---	610	905	900	480	399	175
9	---	---	---	---	---	---	603	892	905	477	399	175
10	---	---	---	---	---	---	674	871	901	467	399	175
11	---	---	---	---	---	---	775	858	911	451	399	175
12	---	---	---	---	---	---	792	854	911	451	399	175
13	---	---	---	---	---	---	800	871	912	468	399	175
14	---	---	---	---	---	---	829	888	917	461	399	175
15	---	---	---	---	---	---	829	896	935	455	399	175
16	---	---	---	---	---	---	837	896	931	475	399	175
17	---	---	---	---	---	---	837	896	936	472	403	175
18	---	---	---	---	---	---	845	901	941	472	399	175
19	---	---	---	---	---	---	833	906	925	465	399	175
20	---	---	---	---	---	---	825	898	895	390	399	175
21	---	---	---	---	---	---	850	894	904	348	399	175
22	---	---	---	---	---	---	829	882	913	344	399	175
23	---	---	---	---	---	---	820	883	925	335	399	175
24	---	---	---	---	---	---	812	883	919	334	399	175
25	---	---	---	---	---	---	808	875	920	328	399	175
26	---	---	---	---	---	---	812	885	925	325	399	175
27	---	---	---	---	---	---	808	898	921	324	393	175
28	---	---	---	---	---	---	812	903	926	352	384	175
29	---	---	---	---	---	---	829	908	922	379	381	175
30	---	---	---	---	---	---	850	908	592	394	381	175
31	---	---	---	---	---	---	875	---	449	397	---	175
TOTAL							20148	26680	27624	13158	11910	1726
MEAN							650	889	891	424	397	56
MAX							875	908	941	489	403	181
MIN							0.0	854	449	324	381	175
AC-FT							39964	52920	54792	26099	23623	3424
IRRIGATION YEAR 2002												
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

IRRIGATION YEAR 2002 TOTAL 101246 MEAN 277 AC-FT 200821

TABLE No. 2

20C40120

1303B110 BURGESS CANAL
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 2002 TO OCTOBER 2003
MEAN VALUES

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	---	---	---	---	---	0.0	0.0	1050	924	453	39	396
2	---	---	---	---	---	0.0	214	1052	925	449	0.0	399
3	---	---	---	---	---	0.0	370	1063	926	455	0.0	399
4	---	---	---	---	---	0.0	412	1070	927	454	0.0	399
5	---	---	---	---	---	0.0	415	1058	928	450	38	399
6	---	---	---	---	---	0.0	440	1042	929	446	149	396
7	---	---	---	---	---	0.0	560	1021	930	462	283	399
8	---	---	---	---	---	0.0	615	964	922	488	297	399
9	---	---	---	---	---	0.0	650	935	917	485	297	399
10	---	---	---	---	---	0.0	701	936	903	482	294	399
11	---	---	---	---	---	0.0	719	938	888	462	321	399
12	---	---	---	---	---	0.0	724	939	883	485	346	399
13	---	---	---	---	---	0.0	762	940	877	482	361	399
14	---	---	---	---	---	0.0	755	928	872	492	364	399
15	---	---	---	---	---	0.0	777	920	858	508	375	396
16	---	---	---	---	---	0.0	841	921	853	525	378	399
17	---	---	---	---	---	0.0	928	922	847	564	381	399
18	---	---	---	---	---	0.0	934	923	842	505	381	403
19	---	---	---	---	---	0.0	936	924	574	658	427	427
20	---	---	---	---	---	0.0	938	921	448	505	378	449
21	---	---	---	---	---	0.0	948	926	457	508	387	453
22	---	---	---	---	---	0.0	946	923	456	525	396	453
23	---	---	---	---	---	0.0	2935	928	439	446	399	456
24	---	---	---	---	---	0.0	954	929	426	409	399	459
25	---	---	---	---	---	0.0	951	930	444	409	396	462
26	---	---	---	---	---	0.0	958	932	440	406	399	459
27	---	---	---	---	---	0.0	960	919	443	406	399	453
28	---	---	---	---	---	0.0	993	921	458	409	399	456
29	---	---	---	---	---	0.0	999	922	464	498	399	456
30	---	---	---	---	---	0.0	1028	923	467	482	399	412
31	---	---	---	---	0.0	---	1068	---	466	216	---	122
TOTAL					0.0	0.0	25411	28720	22133	14504	9033	12694
MEAN					0.0	0.0	820	957	714	468	301	409
MAX					0.0	0.0	2935	1070	930	658	399	462
MIN					0.0	0.0	0.0	919	426	216	0.0	122
AC-FT					0	0	50403	56966	43901	28769	17917	25179
IRRIGATION YEAR 2003												
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

TABLE No. 3

Table No. 4

Summary of Water Losses For 2001, 2002, and 2003 for the
Burgess Canal And Irrigating Co., Inc. Tables No. 1, 2, and 3 provides
the Water District No. 1 Total Daily Flow for Years 2001, 2002, & 2003 respectively

<u>Year</u>	<u>Study Period</u>	<u>Flow</u>		<u>Water Delivery</u>		<u>Miner Inches</u>		<u>%</u>	<u>Comments</u>
		<u>AVG CFS</u>	<u>Miner Inches</u>	<u>Budget</u>	<u>Actual Delivery To Headgates</u>	<u>Canal Water Loss</u>	<u>Water Loss</u>		
2001	5/16 to 7/21	896	44800	85%	34000	10800	24.1		Below Normal Snow pack Year
2002	5/31 to 7/30	890	44500	85%	34000	10500	23.5		Below Normal Snow pack Year
2003	5/16 to 7/16	930	46500	85%	34000	12500	26.8		Low Snow Pack extreme drought; ground water table low and daily temps in July & Aug. record high Levels.
Average = <u>24.8</u>									

Notes: 1) Year 2001 and 2002 were typical to many earlier years of normal or below normal water supplies.

2003 was similar to the low water supply years of 1977, 1988, 1990, 1992, and 1994. Years 2001, 2002 and 2003 provide a good basis to confirm water losses because measurements of flow were taken daily and management attention was extensive to reduce water losses due to the drought. The above water loss data resulted; even with the maximum attention to control losses.

2) The shareholder water right ownership of the Burgess Canal Co., Inc. is 40000 miner inches. Water Budget is established on the first Monday of April each year based on total water supply. Most years are less than 100%. For 2001, 2002, and 2003 the Budget was 85%. (Marginally adequate for crop needs and limited seasons duration).

Section 2. Water Losses Study for the lateral canals and feeder ditches receiving water from the Burgess Canal Company.

This study and appropriate discovery statements of personnel managing the lateral canals and feeder ditches shows the water losses of those systems.

The average water loss(shrink) for These lateral canals and feeder ditches is 20%.

The basis for determining actual water losses for lateral canals and feeder ditches is based on water master or owners records of measured distribution over the primary period (mid May through late July) of each of the study period years. The lateral canal water master are given the actual volume of discharge (85% of share ownership for years 2001, 2002 and 2003) by The Burgess Canal Main body water master by measurement daily. The lateral and feeder ditch water master or owner distribution by measurement to shareholders. The water loss value is excluded from the measured value each shareholder is entitled to receive. This study reviewed each of those laterals and ditches data and summarized the average losses. For all incorporated lateral canals a confirmation sign off sheet by the canal officer and water master is on file at our office showing their independent assessment of water loss (shrink).

All lateral canals and feeder ditches delivery losses for the Burgess Canal system are included in the attached summary.

January 2004

Section 2. Burgess Canal Company Lateral Canals and Feeder
Ditches Discharging Directly From The Burgess Canal: Water Losses

<u>Lateral Canal Or Ditch</u>	<u>Contact Person(s) (Water Master or Owner)</u>	<u>Confirmed Water Loss % (Average for 2001,2002, 2003)</u>	
		<u>% of loss for Delivery</u>	<u>Comments</u>
Lessey Canal Co.	Lavell Purser	<u>20</u>	<u>Med Reach</u>
Alliance Canal Co.	Scott Hancock	<u>22</u>	<u>Long Reach</u>
Cutler Ditch	J.D. Boom Gilbert Daley	<u>15</u>	<u>Short Reach</u>
W. Call Ditch	Wayne Call	<u>25</u>	<u>Long Reach</u>
Grover Ditch	Wayne Call	<u>25</u>	<u>Long Reach</u>
Prophet Ditch	Lynn Johnson	<u>25</u>	<u>Long Reach</u>
Zundel Ditch	Jim Boulter	<u>20</u>	<u>Med Reach</u>
Ucon-Garfield Canal	Larry Larsen	<u>22</u>	<u>Long Reach</u>
Billman Ditch	Chad Billman	<u>25</u>	<u>Long Reach</u>
Selck & Taylor Canal	Lloyd Hicks	<u>18</u>	<u>Med Reach</u>
Boyle Ditch	Gene Boyle	<u>15</u>	<u>Short Reach</u>
Vance & Payne Canal	Roger Orme	<u>22</u>	<u>Long Reach</u>
Miller Ditch	James Treasure	<u>15</u>	<u>Short Reach</u>
Tanner Ditch	Reynold Tanner	<u>15</u>	<u>Short Reach</u>
Hicks Ditch	Lloyd Hicks	<u>20</u>	<u>Long Reach</u>
Moser/Windmilller Ditch	Monte WindMiller	<u>20</u>	<u>Dead Ditch: Short Reach</u>
B. Call Ditch	Brent Call	<u>30</u>	<u>Long Reach</u>

Section 2 (cont.)

<u>Lateral Canal Or Ditch</u>	<u>Contact Person(s) (Water Master of Owner)</u>	<u>Confirmed Water Loss % (Average for 2001, 2002, 2003)</u>	
		<u>% of loss for Delivery</u>	<u>Comments</u>
Randall Canal Co.	Joel Brighton	<u>20</u>	<u>Long Reach</u>
Grant Canal Co.	Blaine Ball	<u>20</u>	<u>Long Reach</u>
Macintire Ditch	Blaine Ball	<u>20</u>	<u>Med Reach</u>
Harris Ditch	Calvin Moser	<u>24</u>	<u>Dead Ditch; Med Reach</u>
Rand Ditch	Leon Clark	<u>15</u>	<u>Short Reach</u>
Martinsen Ditch	Leon Clark	<u>15</u>	<u>Short Reach</u>
Wilkins Canal Co.	Doug Nelson	<u>20</u>	<u>Long Reach</u>
Jacobs Ditch	Mark Bonm	<u>20</u>	<u>Long Reach</u>
S. Rigby Canal Co.	George Byram	<u>22</u>	<u>Long Reach</u>
Winkler Ditch	Joel Brighton	<u>15</u>	<u>Short Reach</u>
<u>Pumps</u>	<u>Contact Person</u>		
Scholes	Pumping Approval plans exist for all pumpers. Lloyd Hicks is contact person for compliance to these plans.		
Chase			
Nord			
Frech/Boam			
Hansen			
Offit			
Carlson			

About 4% (1575 miner inches) of Burgess Canal Co. water is pumped directly from the main canal. Water loss to these systems is low but does exist.

Overall Average Water Losses For Laterals,
Feeder ditches and pumps = 20%
(weighted average by Volume)

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 22% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Vance + Payne Canal Company
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

Roger Crume 2-11-04
Canal Co. Officer or Ditch Owner Date

Jim Boulton 2-02-04
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 20 % is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The GRANT CANAL Co.
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

[Signature] 2-6-04
Canal Co. Officer or Ditch Owner Date

[Signature] 2-6-04
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 20% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Ragdie Canal
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

Steve Brighton Pres 2-3-04
Canal Co, Officer or Ditch Owner Date

Paul Byrnes 2-4-04
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 20 % is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Wilkins Canal
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

Pres Douglas J Nelson
Canal Co. Officer or Ditch Owner Date 2-3-04
Douglas J Nelson
Water Master Date 2-3-04

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 22 % is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The South Ribby Canal Company
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

John George Bryan Per Telecon 2/11/04
Canal Co. Officer or Ditch Owner Date

Jim Boulton 2-02-04
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 22% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Garfield Ucon Canal Company
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

President - Garfield Ucon Canal Co.

Les Larson *2/18/04*
Canal Co. Officer or Ditch Owner Date

Jim Boult *2-02-04*
Water Master Date

Section 3. Water Losses for Individual Farmer owned water Delivery Ditches

The Water Delivery process for the Burgess Canal & Irrigating Company, Inc. includes three (3) specific elements as follows:

1. Main Burgess Canal – Delivers to Lateral Canals and Feeder Ditches.
2. Lateral Canals and – Delivers water to Farmer Feeder Ditches owned Individual Ditches
3. Farmer owned Individual – Delivers water to and Delivery/Service ditches onto crop acres.

Section 1 and 2 of the document provided the basis and confirmation of water losses for the Main Burgess Canal and Lateral Canals and Feeder ditches. This section provides the estimated water losses for the farmer owned individual delivery and service ditches.

Study of individual farmer owned service ditches reveals a large variance of water losses. This large variance results from distance the water has to travel to reach the crop fields, type of soil structure, maintenance of the ditches and attention to good husbandry of water.

The actual water losses for individual farmer owned ditches ranges from a high of over 35% losses for poor operation with long ditches and poor husbandry to a low of about 15% for shorter ditch runs with good soil structure and good husbandry of the water.

Summary

For Purposes of water loss accounting the more consecutive 15% water loss value attributed to good husbandry and more ideal soil structure and ditch distance is used. This is appropriate because those farmers who do not maintain the individual service ditches only penalize those users. The accounting basis for water losses on individual ditches should be based on the best outcome if good practices are applied to conserve water to the maximum level possible or practical.

Conclusion

Average Water Losses For Farmer Owned Crop Delivery Ditches = 15%

Section 4. Summary of Total Water Losses for The Burgess Canal & Irrigating Co., Inc.
System(s)

<u>Delivery Unit</u>	<u>Water Loss</u>
1. Main Burgess Canal System =	24.8%
2. Lateral Canal and Feeder Ditches =	20%
3. Individual Farmer owned Service = Ditches	15%
Total Water Loss (Prior To Delivery onto Crop Fields) For Burgess Canal Company Total System	59.8%

We believe the above water loss conclusion and values to be correct to the best of our ability to measure, analyze records and quantify the losses. I hereby confirm the above water loss data should be applied to the Burgess Canal and Irrigating Co., Inc. as required by the Idaho Department of Water Resources Adjudication process.

Confirmed By Lloyd Hicks
Lloyd Hicks, President
Burgess Canal & Irrigating Co, Inc.

Date FEBRUARY 20, 2004

Confirmation Statement

To: Idaho Department of Water Resources -- Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 20% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Lessey Canal
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

M. J. McEarty #2-15-04
Canal Co. Officer or Ditch Owner Date

N.A.
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 18% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The SEICK and TAYLOR CANAL Co.
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

[Signature] 7/5/04
Canal Co. Officer or Ditch Owner Date

[Signature] 7/14/01
Water Master Date

Confirmation Statement

To: Idaho Department of Water Resources – Snake River Basin 25 Adjudication

Confirmation for water losses that have been confirmed by repeated measurements of the canal discharge and measurements of each of the distribution outlets to water user headgates. These measurements and water management practices have occurred each year for over 100 years.

I hereby confirm that during my period of responsibility the water loss of 22% is applicable. Water losses are due to percolation, seepage, spillages, evaporation, consumption by tress & plants growing on canal banks and other uncontrollable causes.

For The Alliance Canal
Lateral Canal Company and/or Ditch

I confirm the above percentage of water loss to be applicable during the normal irrigating season each year. (Table No. 1 through 4 shows basis for years, 2001, 2002, and 2003 water losses.

Robert Hancock 2/16/04
Canal Co. Officer or Ditch Owner Date

W A
Water Master Date