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RECEIVED
MAY 09 2007
DEPARTMENT OF
WATER RESOURCES

TSK ENTERPRISES LLC
255 BLUE LAKES BLVD NTH
PMB 617
TWIN FALLS, IDAHO 83301
PH-208 324-6411
208-320-0897

May 8, 2007

**Idaho Dept. of Water Res.
322 East front St.
P.O. Bx 83720
Boise, Idaho 83720**

Att: Mrs Ball

Re: Application to Lease Water

Dear Mrs, Ball

Please find enclosed an application to lease water from the State of Idaho Water Bank.

The applicant father had filed an application for his dairy after the Moratorium was placed on the water use. When his father died he took over the dairy and had no idea there were no water right for the commercial use. The water master for the Water District 130 contacted him about there not being a valid water right for the commercial use. He is looking to buy water to transfer to the dairy now. He needs to lease water until we can buy and transfer water for his use.

Enclosed is a copy of the water application his father had filed.

Please let me know as soon as you can if you have available water so he will not be shut down.

I have also enclosed the following enclose the spread sheet which indicates the amount of water needed at his dairy.

Please confirm by mail you have received his application to me.

If you need further assistance please call me at the above phone numbers.

Thank You
Gary L. Funderburg

FILE NUMBER _____ 25-00000
REVIEWER _____ MSP
DATE _____ April 4, 2007

THEORETICAL FLOW ESTIMATION WORKSHEET

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA	
NUMBER OF MILKING CATTLE _____	750
NUMBER OF DRY CATTLE _____	50
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS _____	150
3-4 MONTHS _____	
5-8 MONTHS _____	
9-12 MONTHS _____	
13-15 MONTHS _____	
16-24 MONTHS _____	
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING, OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS _____	0
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN _____	0
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) _____	0.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) _____	0
NUMBER OF MILKINGS PER DAY _____	00
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) _____	11
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? _____	
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? _____	
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? _____	12.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? _____	Y
IS A PLATE COOLER USED? _____	
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE COOLER, LEAVE BLANK) _____	Y
ARE CORRAL MISTERS USED IN HOLDING PEN? _____	
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN, ASSUME 1 MISTER FOR EVERY 5 COWS) _____	0
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) _____	0.00
SPRAY INTERVAL (EX: 2 MIN ON EVERY 5 MIN = 2/5) _____	#
OPERATION TIME OF MISTERS (HRS/DAY) _____	0
DAYS PER YEAR MISTERS ARE USED _____	0
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT INDIVIDUALLY CALCULATED BELOW (EX: RESTROOMS, WASHING MACHINES) _____	0

REQUIRED PUMP INFORMATION					
	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP) _____	25.00		0.00	0.00	0.00
PUMP EFFICIENCY (%) _____	70		70	70	70
LIFT (FT) _____	220		0	0	0
DISCHARGE PRESSURE (PSI) _____	40		0	0	0
FRICTION LOSSES (FT) _____	3.0		0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES _____	12.0		0.0	0.0	1.0

CALCULATIONS					
THEORETICAL FLOW RATE (CFS) _____	0.47	0.00	0.00	0.00	0.00
DIVERSION VOLUME (AF) _____	171.3	0.0	0.0	0.0	0.0

IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.
DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

CALCULATIONS	
DIVERSION RATE (CFS):	
STOCKWATER	
MILKING CATTLE (BASED ON MILK PRODUCTION) _____	10.11
DRY CATTLE @ 17.0 GPM/D _____	0.85
REPLACEMENT CATTLE _____	0.11
TOTAL _____	0.11
COMMERCIAL _____	0.11
TOTAL _____	0.11
TOTAL DIVERSION RATE _____ 0.11	
DIVERSION VOLUME (AF):	
STOCKWATER _____	27.7
MILKING CATTLE _____	0.5
DRY CATTLE _____	0.5
REPLACEMENT CATTLE _____	28.7
TOTAL _____	28.7
COMMERCIAL _____	0.6
WASHING OF BULK TANK AND RELATED EQUIPMENT _____	1.3
BACKFLUSH _____	3.0
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP _____	0.0
CATTLE WASHING BASED UPON METHOD OF WASHING _____	0.0
PLATE COOLER _____	0.0
CORRAL MISTERS _____	0.0
MISCELLANEOUS USES _____	4.9
TOTAL _____	33.6
TOTAL DIVERSION VOLUME _____ 33.6	
CONSUMPTIVE USE VOLUME (AF)(assuming 100% consumptive):	
STOCKWATER _____	28.7
COMMERCIAL _____	4.9
TOTAL CONSUMPTIVE USE _____	33.6

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)	
DIVERSION RATE _____	0.00 CFS
ACRES OF IRRIGATION _____	0.0 ACRES
DIVERSION VOLUME _____	0.0 AC-FT/AC
CONSUMPTIVE USE VOLUME _____	0.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)? _____ B	

CALCULATIONS	
IRRIGATION DIVERSION RATE PER ACRE _____	#DIV/0! CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE _____	#DIV/0! ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME _____	#DIV/0! ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE _____	#DIV/0! ACRES