

MEMO

TO: File 31-11737

FROM: CPadilla

DATE: November 9, 2010

RE: Licensing Review Memo

Time Line:

Application for Permit Received: 2/15/02

Permit Approved: 4/12/02

Proof of Beneficial Use Received: 2/8/2007

Field Exam Conducted: 9/21/07

Conditioning

Comment	Water Permit Condition Report
Doesn't carry to license	046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
Confirmed at field exam, remains on license	X01 Domestic use is for 1 home.
Doesn't carry to license	26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
Confirmed to have 150 cattle and 300 sheep. Condition doesn't carry to license.	X02 Stockwater use is for 150 range cattle, 300 sheep and 6 horses..

POU Overlap Analysis: No overlaps

PD Summary:

Tag #	Location	Rights that Use PD	Uses
D0044046	NESW Sec. 7 13N37E	31-11737	Domestic and Stockwater

* **Volume and Diversion Rate:** The field examiner is recommended a volume of 6.1 af. I compared this to figures in the field examiner's handbook and came up with different figures and come up with something different:

No evidence of horses on the field exam

150 range cattle x 12 gpd/cow = 2.0 af

300 sheep x 2 gpd/sheep = 0.67 af

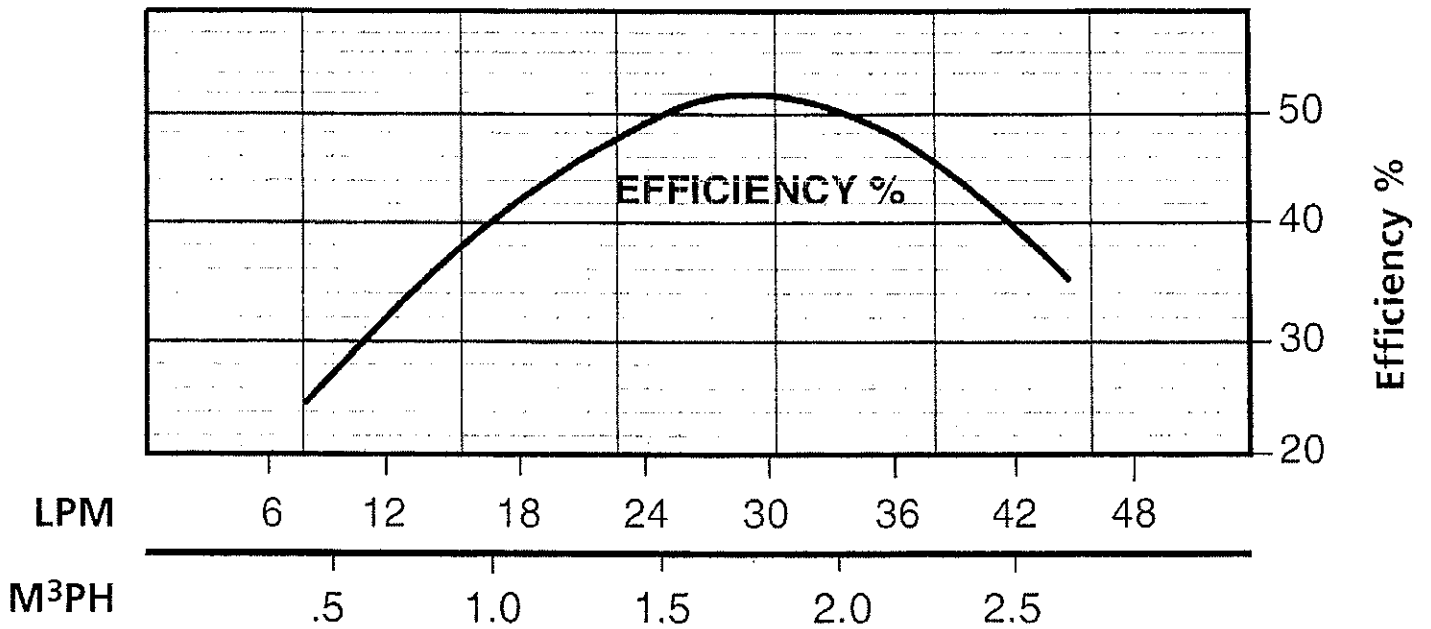
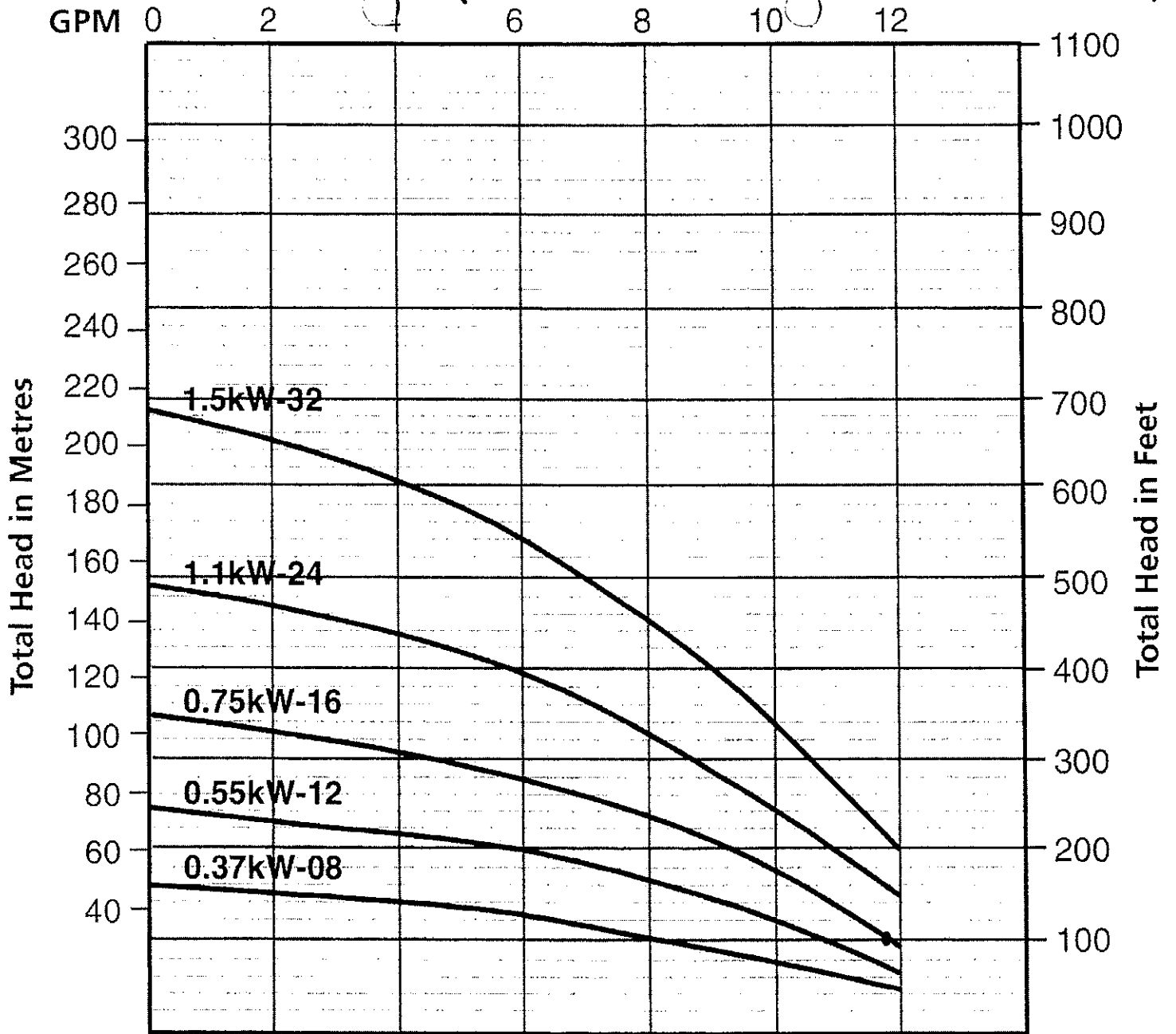
Round to 2.7 afa

When added to the standard domestic use of 1.2 af, the total is 3.9 afa.

Amendment Needed?: NO

* As a secondary check of the rate, I contacted Independent Drilling to find out more about the pump. The only info she had was the pump could do 106PM @ 15 1/2 HP. I pulled a pump curve, even though I could not confirm the diversion rate.

Model # FPS2A-08 Franklin Submersible Sandhandler Pump



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RURAL AND DOMESTIC WATER USES

Residence – Rural:

Each person per day, for all purposes.....	60 gal.
* Each horse, dry cow or beef animal per day.....	12 gal.
Each milking cow per day.....	35 gal.
Each hog per day.....	4 gal.
* Each sheep per day	2 gal.
Each 100 chickens per day.....	6 gal.

Residence – Urban:

Drinking fountain, continuously flowing.....	50 to 100 gal. per day.
Each shower bath.....	25 to 60 gal.
To fill a bathtub.....	35 gal.
To flush toilet.....	3 to 7 gal.
To fill lavatory.....	1 to 2 gal.
Dish Washing Machine – per load.....	10 to 20 gal.
Automatic washer – per load.....	30 to 50 gal.

By Fixtures:

Shower.....	4 to 6 gpm
Bathtub.....	4 to 8 gpm
Toilet.....	4 to 5 gpm
Lavatory.....	1 to 4 gpm
Kitchen sink.....	2 to 5 gpm