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**PRIVILEGED & CONFIDENTIAL
M E M O R A N D U M**

TO: Cole Ruiz, Counsel for SWTCGCD *via e-mail*
FROM: Ed McCarthy 
DATE: September 25, 2023
RE: Application of Clancy Utility Holdings, LLC for a Groundwater Operating Permit

In response to your September 12, 2023, e-mail (copy attached as Appendix "A") I am enclosing the information provided by Clancy's engineering consultant, David Malish, Murfee Engineering, related to the requirement of SWTCGCD Rule 3.4(A)(5)(h) that provides as follows:

- (h) Documentation on installed or proposed pump horsepower, pumping capabilities at installed depth, or other production related information.

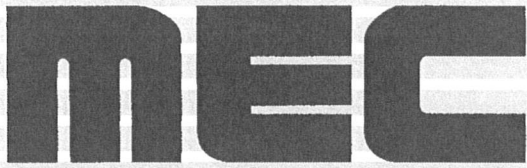
Although Clancy seeks to permit only one operating well for municipal purposes through SWTCGCD, the attached letter from Mr. Malish provides information for all five (5) of Clancy Wells consistent with the above quoted Rule. (*see* Appendix "A").

I have copied SWTCGCD's General Manager, Lane Cockrell here. After you have reviewed the enclosed materials with Mr. Cockrell, please confirm for me that the information provided satisfies the request in your September 12th e-mail. I am also copying Charlie Flatten, General Manager of the Hays Trinity GCD, so that he has the same information as Lane as he processes Clancy's separate applications to HTGCD.

cc: Lane Cockrell, General Manager, SWTCGCD
Clancy Utility Holdings, LLC
Attn: Jim Truitt, Vice President
Murfee Engineering
Attn: David Malish, P.E.
Charlie Flatten, General Manager, HTGCD

Appendix “A”

Malish Letter dated September 21, 2023



Murfee Engineering Company

9/21/2023

RE: Mirasol Springs Groundwater Supply - Well Information - SWTCGCD Rule 3.4 (A)(5)(h)

Mr. Ruiz,

We are in receipt of your 9/12/2023 email to Mr. Ed McCarthy regarding Clancy Utility Holdings, LLC's permit application, and the notice of deficiency for supporting documentation that must be provided to achieve administrative completeness as prescribed by Southwestern Travis County Groundwater Conservation District's rules. As such, we are providing the following documentation for the proposed well pump: horsepower, pumping capabilities at installed depth, and production-related pump information as required under Rule 3.4(A)(5)(h). Please note that we do not have the exact design for the public water supply wells at this time therefore the information provided in this submittal is an estimate based on what field information we do have. Additionally, final design specifications are subject to review and approval by the Texas Commission on Environmental Quality per subchapter D, 30 TAC 290.

Table 1 – Well Pump Specifications

| Well # | Q (gpm) | SWL (ft) | TD (ft) | TDH (ft) | Well Pump Power (HP) |
|--------|-------------------|--------------------|--------------------|----------|----------------------|
| 1 | 25 | 126 | 205 | 175 | 5 |
| 2 | 25 | 106 | 225 | 160 | 5 |
| 3 | 25 | 39 | 102 | 110 | 5 |
| 4 | 25 ⁽¹⁾ | 130 ₍₁₎ | 200 ₍₁₎ | 190 | 5 |
| 5 | 25 ⁽²⁾ | 110 ₍₂₎ | 230 ₍₂₎ | 140 | 5 |

(1) Estimated from Well #1 data.

(2) Estimated from Well #2 data.

**Mirasol Meadows Groundwater Well Facilities –
Preliminary Scopes**

A) Well Site #1

| | |
|------------------------------------|--|
| i) Potable Well | 200 feet with 5 h.p.; 25 gpm submersible pump |
| ii) Ground Storage Tank | 40,000 gallons; bolted steel |
| iii) Water Conditioning System | 25 gpm chloramination facilities (Cl/NH ₃ Addition) |
| iv) Potable Water Pump Station | Hydropneumatic 5 h.p.; 60 gpm |
| v) Potable Water Transmission Main | 630 l.f. 3" pvc with appurtenances |
| vi) Access Road | 630 l.f. 12-foot wide, all-weather gravel with drainage |

B) Well Site #2 & #5

| | |
|---------------------------------------|--|
| i) Potable Well #2 | 225 feet with 5 h.p.; 25 gpm submersible pump |
| ii) Potable Well #5 | 230 feet with 5 h.p.; 25 gpm submersible pump |
| iii) Ground Storage Tank | 70,000 gallons, welded steel |
| iv) Water Conditioning System | 50 gpm chloramination facilities (Cl/NH ₃ Addition) |
| v) Raw Water Pump Station | Constant speed 5 h.p.; 50gpm |
| vi) Potable Water Pump station | Hydropneumatic; 12 h.p. 100 gpm |
| vii) Raw Water Transmission Main | 1660 l.f. 3" pvc with appurtenance (steep slopes) |
| viii) Potable Water Transmission Main | 8510 l.f. 4" pvc with appurtenance |
| ix) Access Road | 5720 l.f 12-foot-wide all-weather gravel with drainage |

C) Well Site #3

| | |
|------------------------------------|--|
| i) Potable Well | 100 feet with 5 h.p.; 25 gpm submersible pump |
| ii) Ground Storage Tank | 40,000 gallons; bolted steel |
| iii) Water Conditioning System | 25 gpm chloramination facilities (Cl/NH ₃ Addition) |
| iv) Potable Water Pump Station | Variable Speed 25 h.p.; 60 gpm |
| v) Potable Water Transmission Main | 400 l.f. 3" pvc with appurtenance |

D) Well Site #4

| | |
|------------------------------------|--|
| i) Potable Well | 190 feet with 5 h.p.; 25 gpm submersible pump |
| ii) Ground Storage Tank | 40,000 gallons; bolted steel |
| iii) Water Conditioning System | 25 gpm chloramination facilities (Cl/NH ₃ Addition) |
| iv) Potable Water Pump Station | Hydropneumatic 5 h.p.; 60 gpm |
| v) Potable Water Transmission Main | 155 l.f. 3" pvc with appurtenance |
| vi) Access Road | 160 l.f. 12-foot wide, all-weather gravel with drainage |

Legend:

| | |
|--------------------------------|---------------------------------------|
| Q: Flow Rate | HP/h.p.: horsepower |
| gpm/g.p.m.: gallons per minute | Cl/NH ₃ = chlorine/ammonia |
| SWL: static water level | l.f.: linear foot |
| TD: total depth | pvc = polyvinyl chloride |
| TDH: total dynamic head | |

Upon completion of your review of this preliminary information, please do not hesitate to reach out with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Malish". The signature is fluid and cursive, with a large initial "D" and a long, sweeping underline.

David Malish, P.E.

Murfee Engineering Company