# CASE STUDY

KIVA PUMP STATION Rehab
ALBUQUERQUE, NM

INDAR SP UGP

Task: Up-Grade the pump station from ~ 4,500 GPM (1,022 m³/h) to ~ 12,000 GPM (2,725 m³/h). Required electrical service, hydraulic surge arrestor, pump control valves, suction and discharge headers.


| Indar Ingeteam Group | | | |
|---|---|---|---|
| INDAR SP UGP | Pump: UGP-M-2125-02 | | |
| Hm: 170 ft | | Q: 5000 USgpm | |
| Motor: ML-37-4/100-W | | | |
| P: 225 / 300 (kW/HP) | | V: 480 V | |
| n: 1750 (rpm) | I: 351 (A) | f: 60 (Hz) | |
| N: 106909, 107009, 107109 | max.submergence 200 | | |
| | | 2009 | |

www.indar.net
water@ingeteam.com Tel.: 00 34 943 02 82 00 CE

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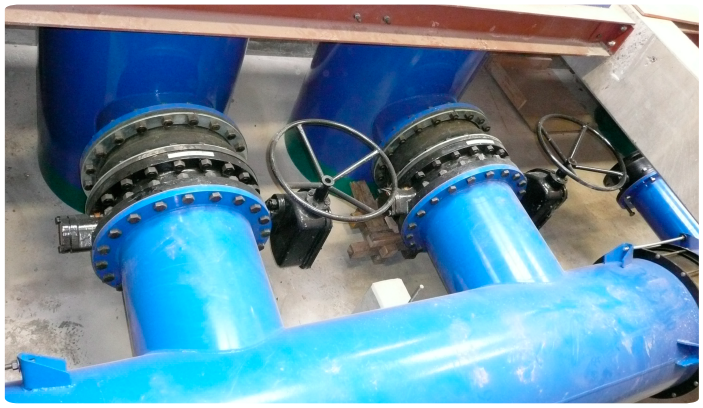
Before the conversion

Because of the limited space (height and length) it was not possible to provide the new flow requirement of 12,000 GPM (2,725 m³/h) with traditional vertical turbine pumps. INDAR inverted submersible pumps and motors were selected to fulfill the requirement.

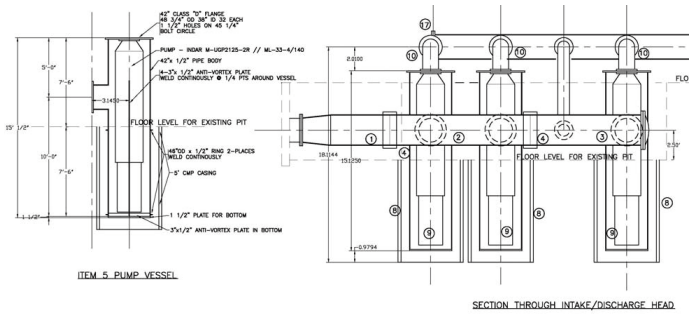
After the conversion

This picture shows the three, 300 HP (225kW) submersible pumps in line.

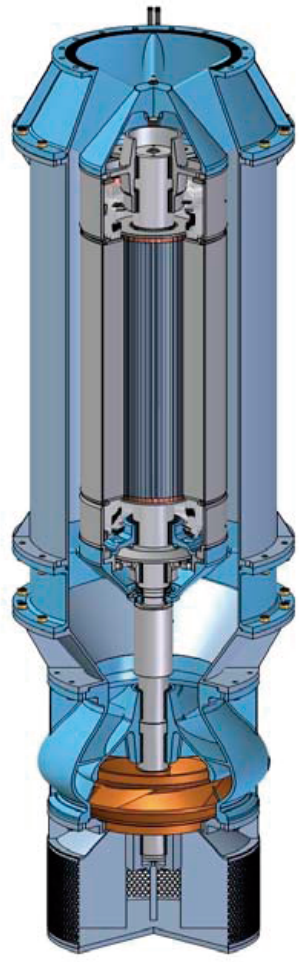


The picture shows the intake system.


New Hydraulic Surge Tank




Pump station's new suction header and suction cans



INDAR Low Suction Submersible Pumping Units.

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