



# BOREHOLE OWNER BUSINESS CONTINUITY PLAN

## OFFER OF SERVICES

BOREHOLE ENGINEERING SERVICES (BES) WILL PROVIDE A PROFESSIONAL BUSINESS CONTINUITY PLAN THAT WILL ENSURE MINIMAL DOWNTIME IN THE EVENT OF A CATASTROPHIC FAILURE.

## BENEFITS:

PEACE OF MIND AND PROOF OF DUE DILIGENCE FOR KEY PERSONNEL RESPONSIBLE FOR THE CONTINUOUS INPUT OF WATER TO ANY PRODUCTION LINE OR FACILITY.

## INVESTMENT:

BOREHOLE ENGINEERING SERVICES WILL PROVIDE A FULL BUSINESS CONTINUITY PLAN FOR £3895 + VAT.\*

## KEY FEATURES:

SITE SURVEY TO GATHER ALL INFORMATION ON THE SITE INCLUDING BOREHOLE LOCATION, ACCESS, KEY HOLDERS, BOREHOLE INSTALLATION MATERIALS AND HANDLING EQUIPMENT, SPARES AND TOOLS AVAILABLE ON SITE, CERTIFICATION ON ANY LIFTING EQUIPMENT, LOCAL SUBCONTRACTORS SUCH AS CRANE HIRE AND WASTE DISPOSAL ETC.

PREPARATION OF ALL RISK ASSESSMENTS AND METHOD STATEMENTS NEEDED TO CARRY OUT ANY WORKS ON SITE.

PREPARATION OF DETAILED METHOD OF HOW TO RECONNECT TO MAINS WATER EXPEDIENTLY SO AS TO RESTART OPERATIONS AND FACILITIES DURING THE MAINTENANCE PERIOD.

PREPARATION OF FULL WORKING DOCUMENT WHICH WILL BE USED IN THE EVENT OF A CATASTROPHIC FAILURE. THIS WILL DETAIL EVERYTHING RELATING TO THE BOREHOLE AND WILL BE SIGNED OFF AS CERTIFIED FOR USE, THEREFORE REDUCING RED-TAPE DELAYS IN AN EMERGENCY SITUATION.

RECOMMENDATIONS ON SPARES AND TOOLING THAT SHOULD BE ON SITE.

LIST OF CERTIFIED LIFTING EQUIPMENT AND CERTIFICATION EXPIRY DATES.

ALL INFORMATION WILL BE PRESENTED IN DIGITAL FORMAT AS WELL AS HARD COPY, WHICH WILL BE KEPT IN THE PUMP ROOM. BES WILL MAINTAIN RECORDS AND INFORM WHEN CERTIFICATION IS DUE TO EXPIRE.

\*BASED ON A 3 DAY SITE INFORMATION GATHERING SURVEY AND 2 DAY OFFICE BASED TO PRODUCE THE PLAN. ALL ACCOMMODATION AND EXPENSES INCLUDED.

THIS IS FOR A NEW CLIENT WHO DOES NOT HAVE AN EXISTING PLAN. THIS IS A SET PRICE NATIONWIDE.

**NOTE** - THE PRICE DOES NOT ALLOW FOR ANY COSTS RELATING TO ACTIONS REQUIRED FOLLOWING POSSIBLE RECOMMENDATIONS.



# BOREHOLE OWNER PLANNED MAINTENANCE PROGRAMME

## INTRODUCTION

AS WITH ANY OTHER STRUCTURE, A BOREHOLE MAY OCCASIONALLY NEED MAINTENANCE. THERE ARE VARIED REASONS FOR THIS. SUCH AS:

- BUILDUP OF IRON BACTERIA CAN BLOCK THE FISSURES AND SCREENS PREVENTING GROUNDWATER FROM ENTERING THE BOREHOLE.
- NATURAL DEPOSITS OF MINERAL WITHIN THE GROUNDWATER CAN BLOCK FISSURES OVER TIME.
- THE SUBMERSIBLE PUMP CAN BECOME WORN AND NOT AS EFFICIENT AS IT SHOULD BE WHEN NEW.

RATHER THAN WAIT FOR A CATASTROPHIC FAILURE, IF THE BOREHOLE WATER IS OF EXTREME IMPORTANCE TO PRODUCTION, IT MAY BE PRUDENT TO PLAN ROUTINE MAINTENANCE BEFORE THERE IS A PROBLEM. THIS MAINTENANCE CAN BE PLANNED TO COINCIDE WITH A FACTORY SHUTDOWN OR A PERIOD WHEN WATER USAGE IS REDUCED.

ON COMPLETION OF A COMMERCIAL WATERWELL CONTRACT, DRILCORP WILL, AS A MATTER OF COURSE, PROVIDE A BUSINESS CONTINUITY PLAN.

AFTER ONE YEAR WE WILL OFFER A RENEWAL OF THIS PLAN.

THE PRICE FOR THIS IS £1350.00 AND IS BASED ON 1 VISIT FROM A SENIOR BES ENGINEER TO CHECK WHETHER THERE ARE ANY CHANGES TO THE PLAN AND TO MAKE THE NECESSARY AMENDMENTS.\*

## INVESTMENT:

THE INVESTMENT REQUIRED TO IMPLEMENT A MAINTENANCE PROGRAMME IS BESPOKE TO EACH CLIENT DEPENDING ON INDIVIDUAL REQUIREMENTS.



## OFFER OF SERVICES

BES CAN OFFER A RANGE OF SERVICES. A PLANNED PROGRAMME COULD INCLUDE SOME OR ALL OF THE FOLLOWING TO BE AGREED AT THE OUTSET:

### FIT MONITORING DEVICES TO THE BOREHOLE:

- **ELECTRICITY USAGE MONITOR** – MEASURES HOW MUCH ELECTRICITY THE PUMP IS USING. IF THE POWER NEEDED TO RUN THE PUMP INCREASES, THE PUMP CAN BE RUNNING TIGHT OR WATER LEVELS IN THE BOREHOLE COULD BE DROPPING AND THEREFORE THE PUMP WILL NEED MORE POWER TO PUSH THE GROUNDWATER OUT OF THE BOREHOLE. IF THE PUMP IS RUNNING BUT THE FLOW PRODUCED IS DOWN AND ELECTRICITY USAGE IS DOWN THEN THE PUMP COULD BE WORN OR ALTERNATIVELY THERE MAY BE A LEAK IN THE RISING MAIN.
- **FLOW OUTPUT MONITORING** – THIS WILL DETERMINE IF THE PUMP IS PRODUCING THE VOLUME OF WATER IT IS CAPABLE OF.
- **WATER LEVEL MONITORING** – THIS WILL DETERMINE IF THE BOREHOLE OR SCREEN IS BECOMING CLOGGED.
- IF THESE DEVICES ARE CHECKED REGULARLY THEN IT WILL BE POSSIBLE TO ASSESS IN ADVANCE IF SOMETHING IS IN THE EARLY STAGES OF FAILURE AND A PLANNED MAINTENANCE PROGRAMME CAN BE PUT IN PLACE.

### AQUIFER YIELD TEST

### WATER TREATMENT

### SUBMERSIBLE PUMP, CABLE, RISING

### MAIN UPGRADE/REPLACEMENT

### HEADWORKS UPGRADE

### CCTV SURVEY

### BOREHOLE RISK ANALYSIS

### CHEMICAL AND MECHANICAL CLEANING

### RELINING/REFURBISHMENT

### BOREHOLE ABANDONMENT/

### DECOMMISSIONING

\*NOTE - THE PRICE DOES NOT ALLOW FOR ANY COSTS RELATING TO ACTIONS REQUIRED FOLLOWING POSSIBLE RECOMMENDATIONS.

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