

THE BUNCEFIELD
FUEL TERMINAL,
AUGUST 2005.

HOW ARE YOU DOING WITH THE
NEW LEVEL SWITCH? ARE WE
READY FOR THE FUNCTION TEST?
OVER!

A NEW LEVEL SWITCH IS
INSTALLED ON TK-912,
A 42,000 BARREL
FLOATING ROOF
GASOLINE TANK. THIS
IS A NEW TYPE OF
LEVEL INSTRUMENT FOR
THE TERMINAL.

OVERFLOW

RAMIN ABHARI

WE'RE
WORKING ON IT.
IT'S A DIFFERENT
TYPE OF LEVEL
SWITCH, SO NEED TO
FIGURE IT OUT.
OVER!

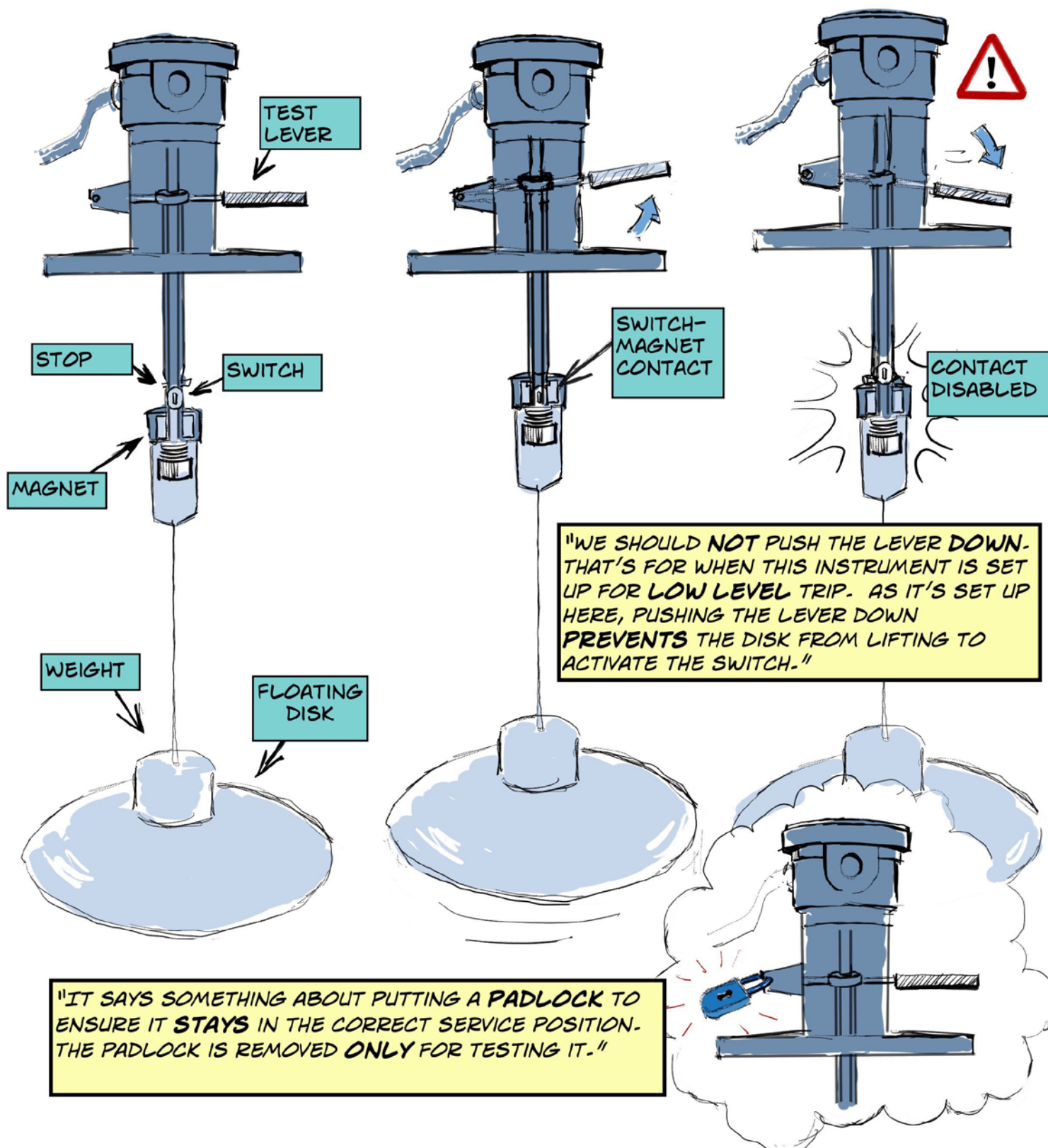
I HAVE THE
MANUAL HERE.
I'LL TELL YOU
WHAT IT SAYS...

COPY THAT!
OVER 'N OUT!

I DON'T KNOW WHY
WE DON'T HAVE THE
INSTRUMENT VENDOR'S
REP HERE. OUR
CONTRACTORS DON'T HAVE
EXPERIENCE WITH THIS NEW
KIND OF LEVEL
SWITCH!

"IT SAYS, WHEN LIQUID LEVEL GETS TOO HIGH, THE FLOATING ROOF LIFTS THE DISK OF THE LEVEL SWITCH. AS THE DISK LIFTS, IT MAGNETICALLY ACTIVATES THE SWITCH THAT TRIGGERS THE HIGH-HIGH LEVEL ALARM AND TRIPS THE FEED PUMP."

"WE CAN SIMULATE THAT BY JUST LIFTING THIS LEVER. THE CONTROL ROOM CAN CONFIRM THE HIGH-HIGH LEVEL ALARM AND PUMP TRIP."



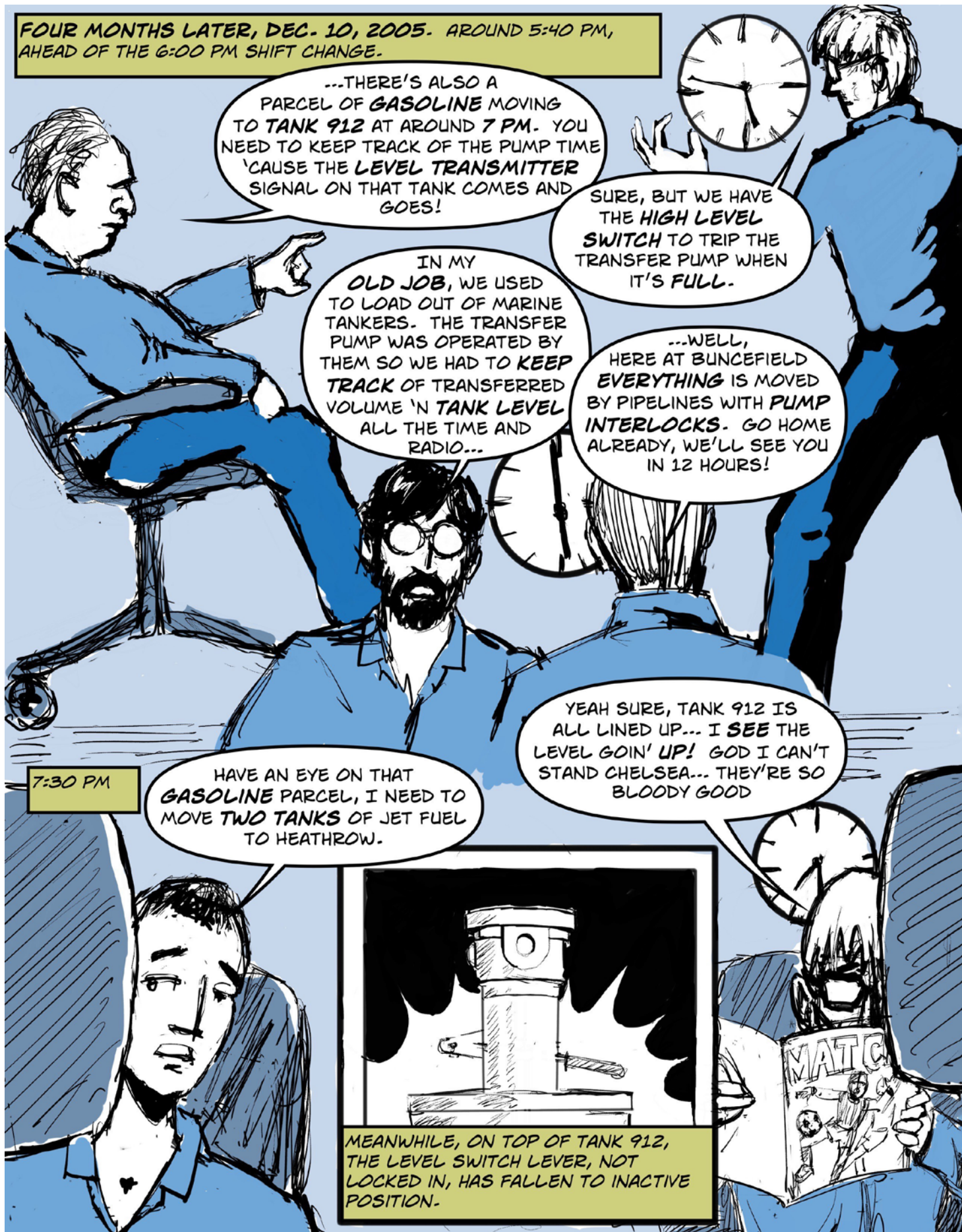


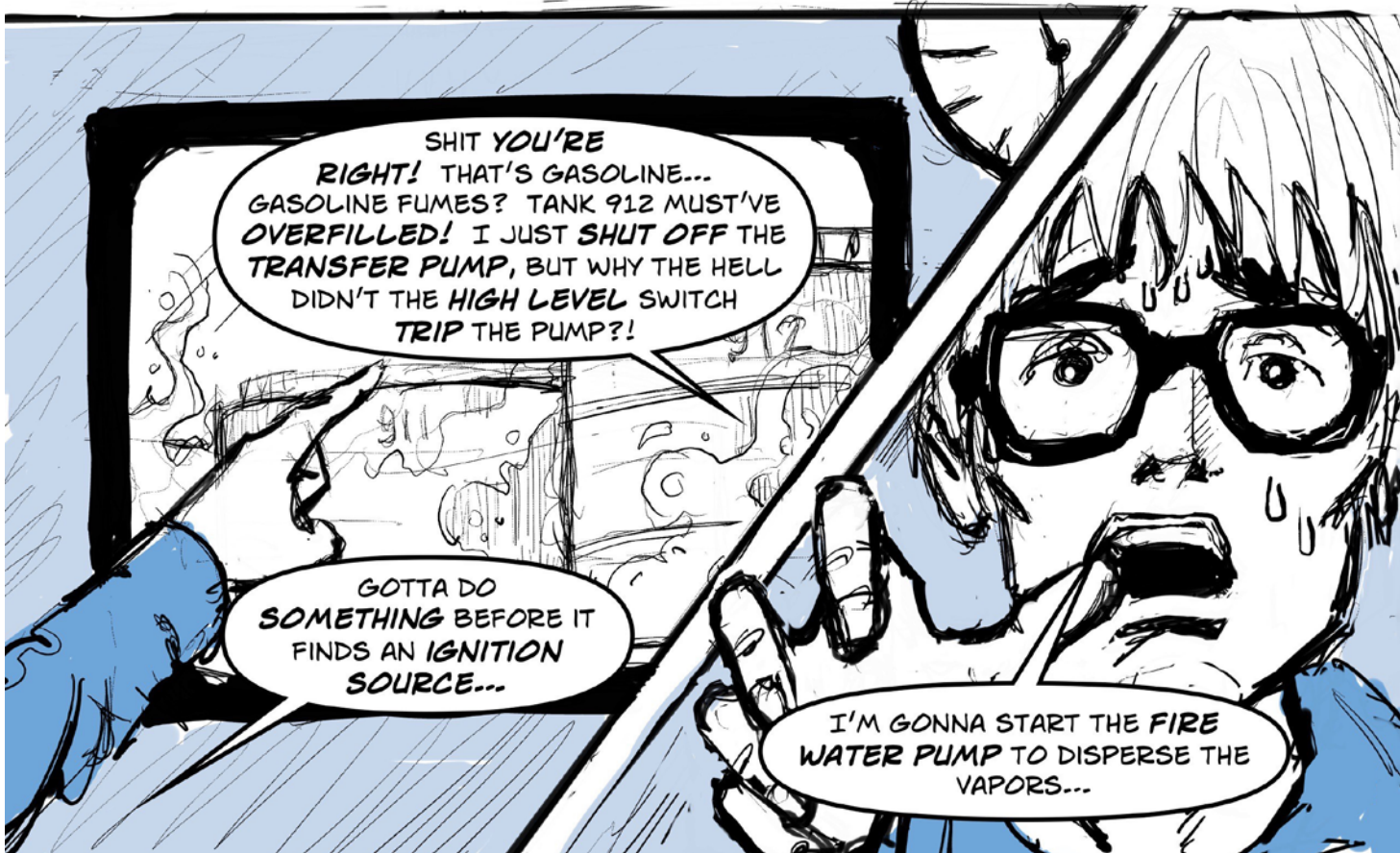
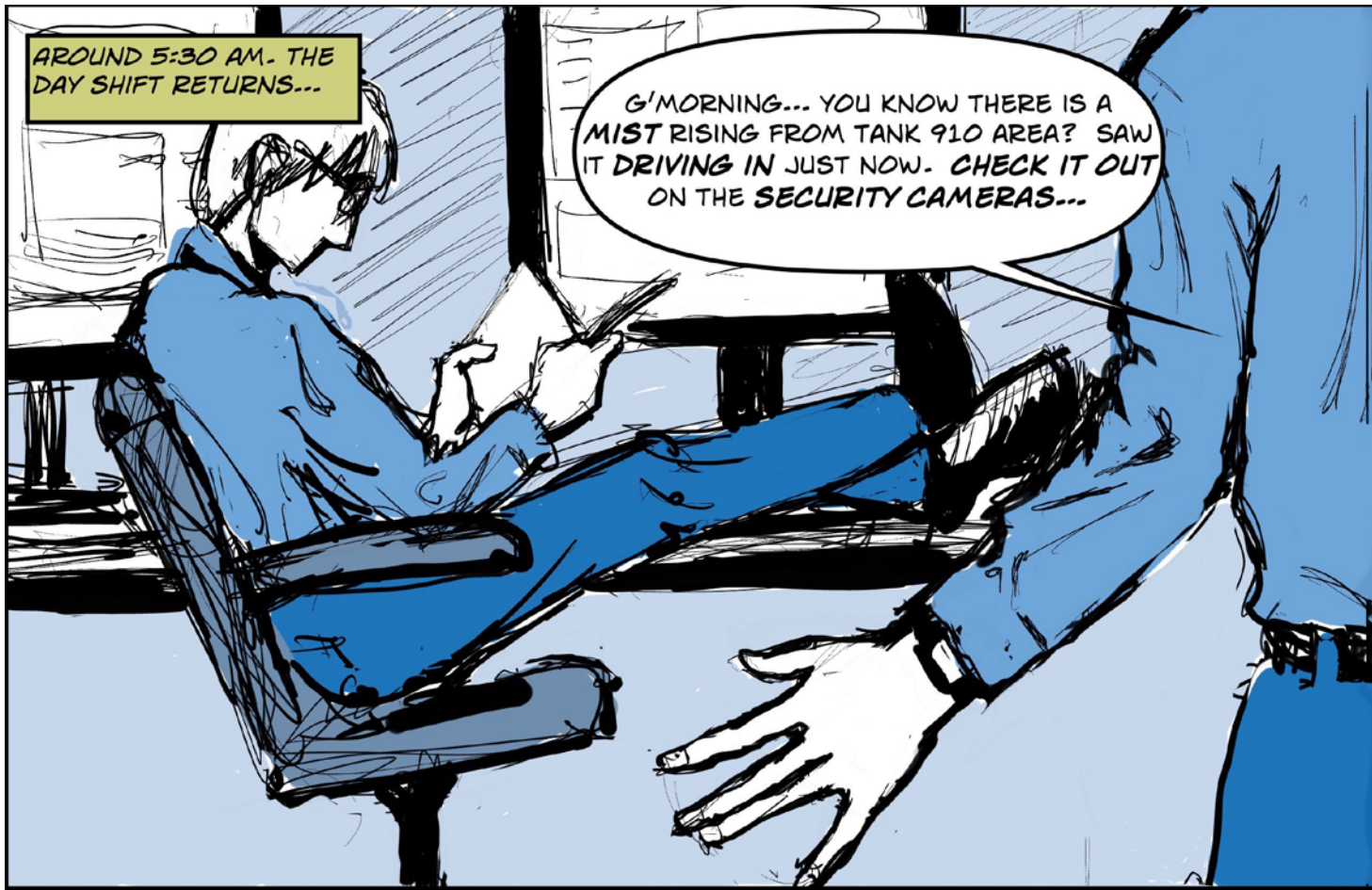
WE DIDN'T BRING A PADLOCK!
ANYWAY, DOES THIS MEAN EACH TIME WE
TEST THE LEVEL SWITCH WE HAVE TO
UNLOCK A PADLOCK WITH ALL THE "LOCK
OUT TAG OUT" PAPERWORK?

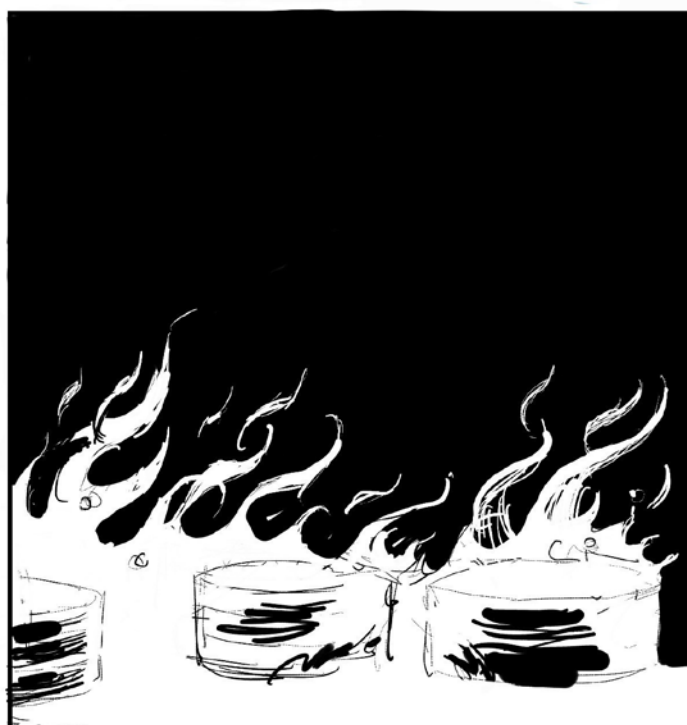
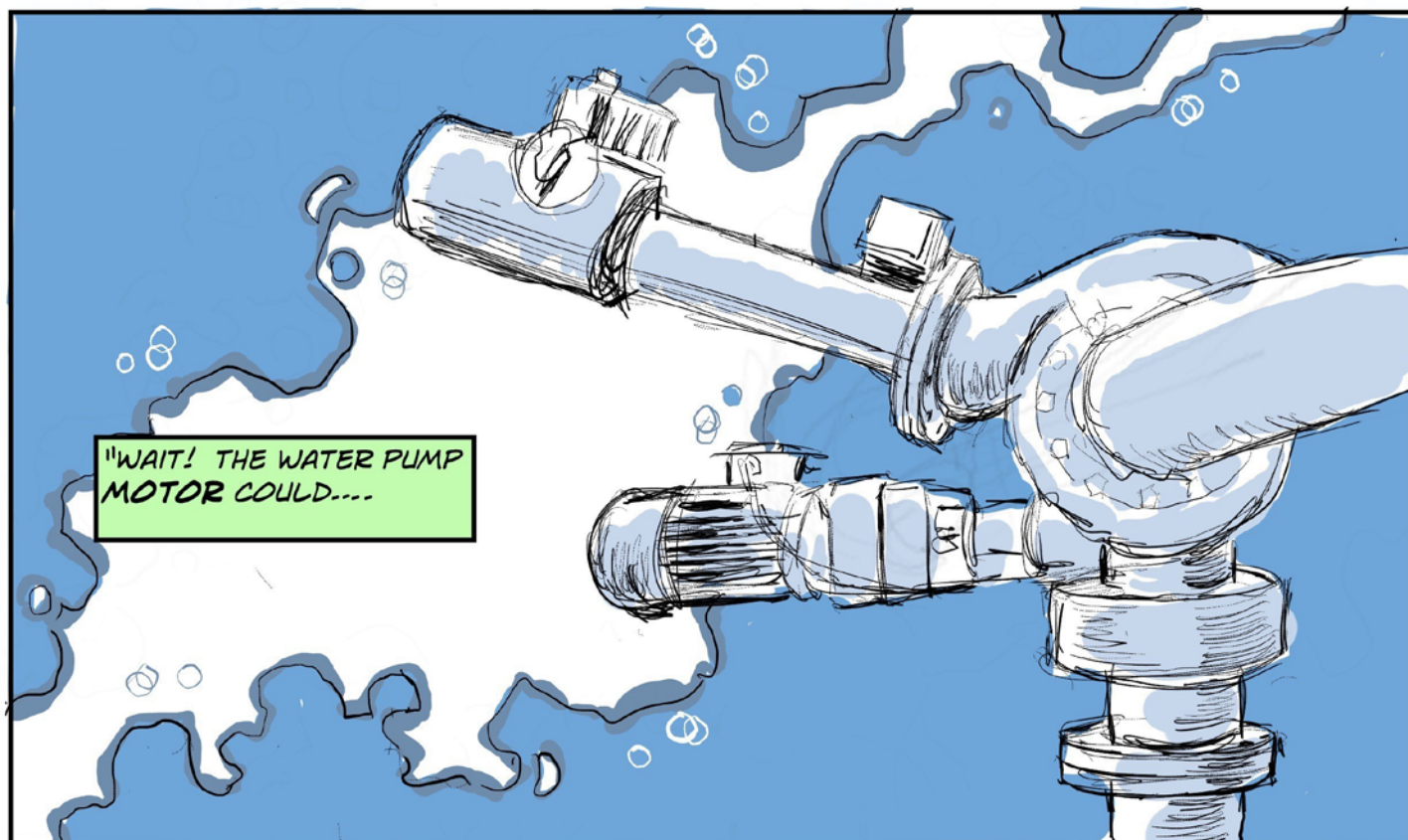
WE DON'T NEED IT FOR
THE HIGH LEVEL TRIP FUNCTION
TEST. WE'LL TELL THE
TERMINAL MAINTENANCE MANGER
ABOUT IT AND **THEY** CAN
FOLLOW UP WITH THE VENDOR.

COME IN CONTROL
ROOM. HIGH-HIGH LEVEL
SWITCH **ACTUATED** FOR
TK-912. COMMUNICATE
RESPONSE! OVER.

HIGH-HIGH LEVEL ALARM
AUDIBLE AND PUMP TRIP
CONFIRMED, OVER.







THE TREE-LINED PERIMETER OF THE TANK FARM CONTRIBUTED TO THE SEVERITY OF THE CONFINED VAPOR CLOUD EXPLOSION. FLAMES ENGULFED MULTIPLE TANKS. THE FIRE RESPONSE THAT FOLLOWED SPANNED 26 DAYS, INVOLVING HUNDREDS OF FIRE FIGHTERS. THE ENVIRONMENTAL IMPACT FROM FIREFIGHTING FOAM RUNOFF IS ONGOING, WITH PFOS FROM THE FOAM DETECTED IN NEARBY RIVERS AND GROUND WATER. ALTHOUGH NO ONE WAS HURT, BUNCEFIELD IS CONSIDERED ONE OF ENGLAND'S WORST INDUSTRIAL ACCIDENTS.

END