

Dept of Engineering
US Naval Academy
Annapolis Dec^r 11 '53

Commander

Fort Goldsborough

Superintendent

Sir

Agreeably to
your verbal order of this date I have
to report that our Gas holder holds about
7420 feet of Gas that we use about 2500
feet a night we charge about 2 1/2 times
per 24 hours that it charge 3 times one day
& twice another - As we are often making
firing gas at the same time I cannot
accurately state the precise quantity used
We require a ton of the Coal we have, to
make this amount of Gas.

The Steam is very abundant the boiler
was calculated to heat all the buildings of
the institution (Except the Professors houses) and
to give Steam for a Laundry (a large quantity)
and for Machine Shop & bathes - It is more
than sufficient for these purposes the Steam
at 1170 feet from the boiler issues from the pipes
hot & dry & I would now be willing to

to carry steam for heating much further
than we now do & that distance it is already
carried it much further than has yet
been attempted in other places

I forgot to mention that we use but
two retorts for gas one would supply us
but it saves labour to use two & requires
no more fuel for two than for one as
the retorts are now set we can charge 6 times
per 24 hours {Remain
we charge but 2 1/2 times} Sir

Very Respectfully

Yours Obedtly

Wm Rogers Hopkins

Attendant Professor