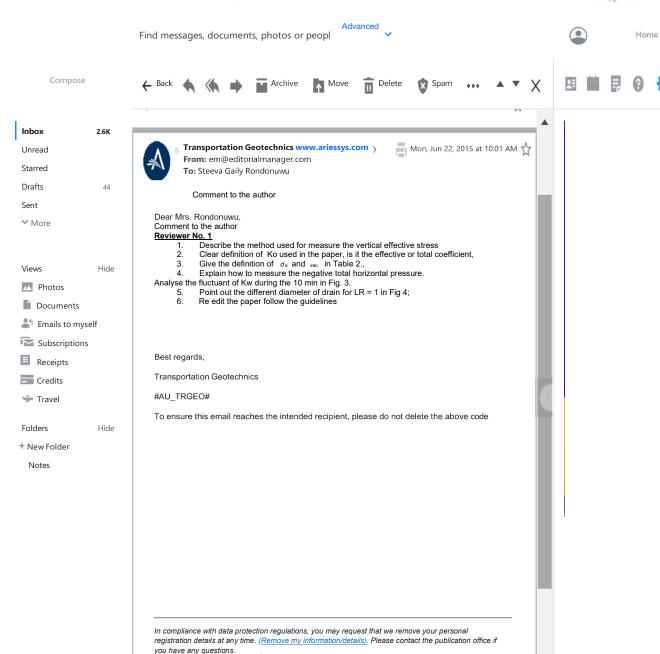
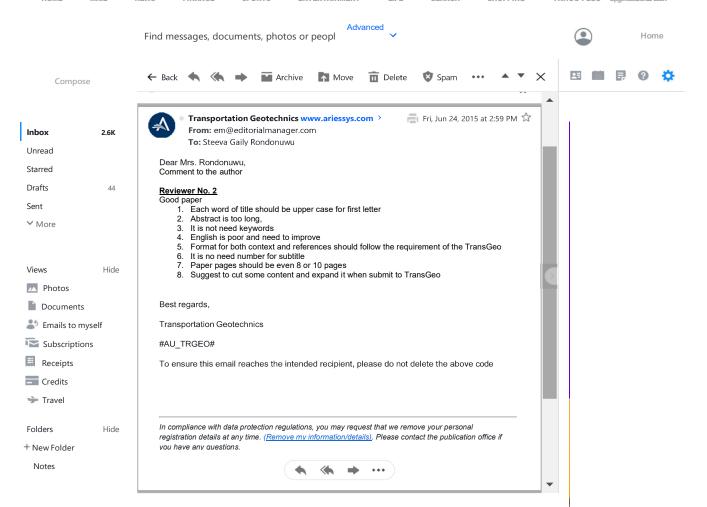
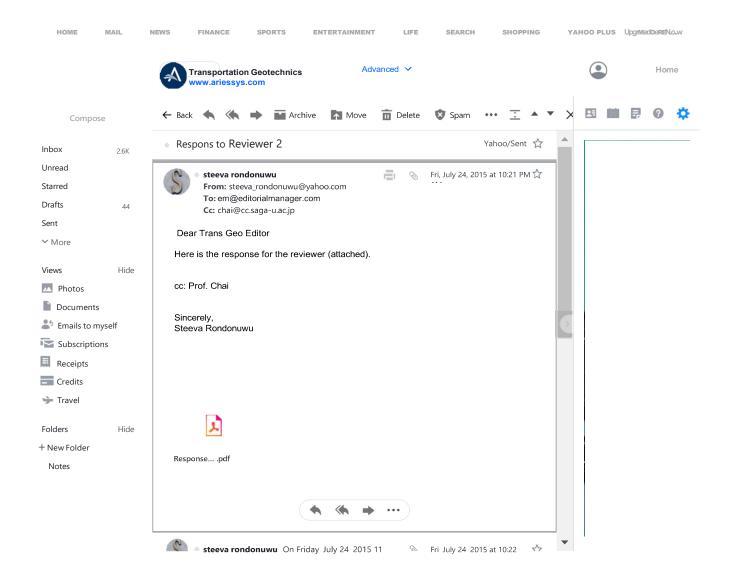


In compliance with data protection regulations, you may request that we remove your personal







## Comment to the author

## Reviewer No. 1

1. Describe the method used for measure the vertical effective stress Response:

The explanation has been added into the revised version (Page 2. Line 24; Above Eg.3)

2. Clear definition of Ko used in the paper, is it the effective or total coefficient, Response:

Ko is always an effective stress parameter

3. Give the definition of  $\sigma_s$  and  $v_{ac}$  in Table 2.,

Response:

The definitions are below Table 2.

4. Explain how to measure the negative total horizontal pressure.

Response:

The pressure gauge we used can measure both positive and negative pressures Analyse the fluctuant of Kw during the 10 min in Fig. 3. Response:

A sentence has been added into the revised version to explain that the reason not clear (Page 6; last line).

5. Point out the different diameter of drain for LR = 1 in Fig 4; Response: 60 min are shown in Fig. 2 (a), (b), and (c) for the variations of settlement, pore

Done as suggested.

6. Re edit the paper follow the guidelines

Response:

It has been done.

## Reviewer No. 2

## Good paper

- 1. Each word of title should be upper case for first letter
- 2. Abstract is too long,
- 3. It is not need keywords for GSP,
- 4. English is poor and need to improve
- 5. Format for both context and references should follow the requirement of the TransGeo
- 6. It is no need number for subtitle
- 7. Paper pages should be even 8 or 10 pages
- 8. Suggest to cut some content and expand it when submit to TransGeo

Response for the second reviewer comments:

Thanks for the positive and encourage comments. The paper has been re-edit based on the comment and GSP guidelines.

If the paper can be selected for G&G, we will be very happy to add some more test data (different series of laboratory tests are still going on) and expand and revise the paper.