

Engineering Change

SUMMARY

EC Number	001
EC Date	2024-11-18
Project	Project FishWorks
Issue Summary	While the purchase request for our Atlas Scientific pH sensor was placed on time during week three of the semester, the order had not shipped from the supplier as of the middle of week 10. Not having received this sensor by the start of week 11 would put development using the sensor at risk.
Change Summary	Have the prep room cancel the order for the Atlas sensor and place an order for DF Robot pH sensor that would be delivered by the start of week 11.
Mitigation Summary	By ordering a different pH sensor from a supplier that would deliver on time to start development on it we avoid not meeting our requirement (#9) of having a pH sensor for the system.
Impact Summary	While this EC will avoid not having a pH sensor in the system, part of the reason for choosing the Atlas Scientific sensor was so that we could design around their suite of several environment sensors that share a common electrical connection interface. Unfortunately, this change means that we will not be able to develop for this interface.

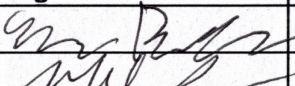

DETAILS

Provide any additional details.

While we do not specially mention that the pH sensor is from Atlas Scientific in our requirements document, we do mention it on our scope document. We still believe that this change warrants an engineering change order.

APPROVAL

I approve this change.

Role	Name	Signature	Date
Developer	Sebastien Robitaille		2024-11-18
Customer	Mel Dundas		2024-11-18

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