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Dear Sue

Glenfarg WTW – SR21 Letter of Commitment update

In my letter of 19th November 2019, I set out our assessment of the durations to complete each stage of project development and secure financial approval for the project. We now forecast reaching our next investment gateway (Gate 70) before the end of June 2021.

As it is taking us longer than originally assumed to get to this stage of project development as set out in my previous letter, I have set out below a revised timetable based on our new gateway process to aid tracking. The main changes in the timetable are our earliest dates have moved back by around 6 months, whilst the latest dates have moved in by around 3 months.

Project Stage	Duration Months		Date Range for stage completion		Assumptions and activities
	Min	Max	Earliest	Latest	
Gate 70			May-21	Jun-21	Technical review of options and actions identified at gate 50, confirmation of high level scope and review of costs and development of project delivery strategy.
Gate 70 to Gate 80	9	12	Jan-22	May-22	Early land negotiations, pre-planning application approval, outline design and agree target cost.
Gate 80 to 90	6	12	Jul-22	May-23	Agree 'Head of Terms' for land purchase, planning approval, detailed design and potential early procurement activities.
Gate 90 to Start on Site	3	4	Oct 22	Sep 23	
SoS Site to Gate100	24	30	Oct-24	Mar-26	Based on high level construction programme – these will be validated during Gate 70-80.

In the interim we will maintain the following short-term measures until such time as capability improvements are delivered:

- Optimise the existing coagulation process to minimise elevated filter turbidity. This is an ongoing process of optimisation.

- Monitor Glenfarg WTW raw water weekly for algae and Geosmin and final water once every two weeks for Geosmin.
- Monitor filtered water turbidity using online turbidity monitors linked to telemetry and alarmed. Individual turbidity monitors are all alarmed at 0.2 NTU and appropriate action taken in line with Emergency Action Level (EAL) procedure if breached.
- Follow our current Taste and Odour Operational Response Plan which includes triggers for turning on the powdered activated carbon dosing and the reservoir air curtain plus enhanced monitoring at the WTW and in distribution.
- In order to improve the resilience of the existing operational response plan we will:
 - Replace the temporary air curtain system with a permanent set up including power supply and alarms linked to telemetry by 31st December 2022.
 - Replace filter controls, PAC controls and outlet valving, to maximise use of PAC dosing by 31st May 2023.
- Notify Fife NHS Board, Tayside NHS Board and DWQR if the water quality event reporting triggers are breached for customer taste and odour contacts in the Glenfarg water supply zone and, if necessary, implement any agreed measures to minimise the impact on customers.

Please note that the dates provided above may be dependent on land, planning and power company delivery times. Where this is the case, we will continue to provide regular updates on progress with our work to mitigate any project risks and any impact they may have on timelines.

I trust the update above will improve tracking of progress. We will also build the learning from this work into our future forecasting and appraisal work.



Yours sincerely

Simon Parsons

Director of Strategic Customer Service Planning