

6.4.4. MBR Aeration Basin #5 – Manual Operation

MBR Aeration Basin #5 has been designed to operate as a system in automatic. It is not recommended to operate any of the equipment in manual mode. If it is necessary, only an experienced operator with knowledge of the complete system should take manual control of the following functions.

Manual Control of MBR Process Blowers

It is not recommended that the MBR Process Blowers ever be operated in Manual mode. If this is necessary, contract the Manufacturer for assistance. Manual operation must be done through the Blower Master Control Panel located in the MBR Electrical Room or on the blower controls at each blower.

Manual Operation of Air Control Valve

It may be necessary to periodically operate the air control valve to the aerobic zones at a manual setting. This can be done through the Blower Master Control Panel located in the MBR Electrical Room. When this is done, **DO NOT** close the valve beyond the minimum valve opening setting for the valve as this may cause the blower to go into surge or damage the blower.

Manual Operation of Mixed Liquor Return Pumps

The MLSS Return Pumps can be operated in manual directly from the VFD panel for each pump located in the MBR Electrical Room. This can be done by turning the HAND/OFF/REMOTE selector switch to the HAND position and changing the speed of the pump with the speed controller on the VFD panel.