WHAT IS CLAIMED IS:

1. A method of producing desiccated aerobic granules, comprising:

- (a) subjecting aerobic granules to a size selecting step;
- (b) subjecting the size selected aerobic granules from (a) to a dehydration step, which comprises contacting said size selected aerobic granules with an organic dehydration solution comprising a mixture of acetone and isopropanol; and
- (c) subjecting the dehydrated size selected aerobic granules from (b) to a drying step, wherein the drying step comprises sun-drying, air-drying or oven-drying.

2. The method of claim 1, wherein said size selection comprises passing said aerobic granules through a filter.

3. The method of claim 2, wherein said filter is a sieve.

4. The method of claim 2 or 3, wherein said filter comprises a plurality of ~~prose~~ pores with a diameter of about 1mm.

~~5. The method of any one of claims 1 to 4, wherein said dehydration step comprises contacting said size selected aerobic granules with an organic dehydration solution.~~

~~6~~5. The method of ~~claim 5~~any one of claims 1 to 4, wherein said dehydration solution comprises or consists of acetone:isopropanol (95%:5% v/v).

~~7~~6. The method of any one of claims 1 to ~~6~~5, wherein drying step comprises spin drying the dehydrated size selected aerobic granules.

~~8~~7. The method of claim ~~7~~6, wherein said drying step is at room temperature.

~~9~~8. The method of any one of claims 1 to ~~8~~7, wherein said aerobic granule is a mature aerobic granule.

~~10~~9. Desiccated aerobic granules produced according to the method of any one of claims 1 to ~~9~~8.

~~11~~10. A method of wastewater treatment, comprising: adding desiccated aerobic granules of claim ~~10~~9, to a wastewater treatment plant.

~~12~~11. A kit comprising: the desiccated aerobic granules of claim ~~10~~9, and a container, and optionally instructions for the use thereof.