

Environmental Research, Technology Demonstration and Conference Project

ECF Project:	ECF 2018-102
Project Title:	Novel recycling of incinerated sewage sludge ash from T·Park and waste bentonite as a high-performance adsorbent for wastewater treatment
Principal Investigator:	Professor Poon Chi Sun, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
Total Approved Grant:	\$1,315,800
Duration:	1/9/2019 to 31/5/2022
Project Status/Remarks:	On-going
Project Scope:	<p>The project aims to –</p> <ul style="list-style-type: none">(a). develop an effective pelletisation and sintering method to transform incinerated sewage sludge ash (ISSA) and waste bentonite into a valuable granular adsorbent for wastewater treatment;(b). develop appropriate technologies to reuse the pelletised ISSA / bentonite after wastewater treatment; and(c). compare the environmental benefits and economic advantages of the newly developed technology with conventional adsorbents via life cycle assessments
Summary of the Findings/Outcomes:	To be available upon completion of the project