LOW-EMISSION METHYL BROMIDE FUMIGATION FOR QPS USE: COMPARISON OF COMMERCIAL TECHNOLOGIES

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<u>Abstract.</u> To retain critical export of specialty crops that have quarantine and pre-shipment (QPS) fumigation requirements, a cost effective and technically feasible process must be developed to contain, destroy, or recapture/reuse methyl bromide and its alternatives. This report will compare the high capital cost plasma arc destruction and catalytic oxidation technologies with the high operating cost activated carbon adsorption options. Cost estimates and technical feasibility will be described for three representative methyl bromide fumigation facilities.