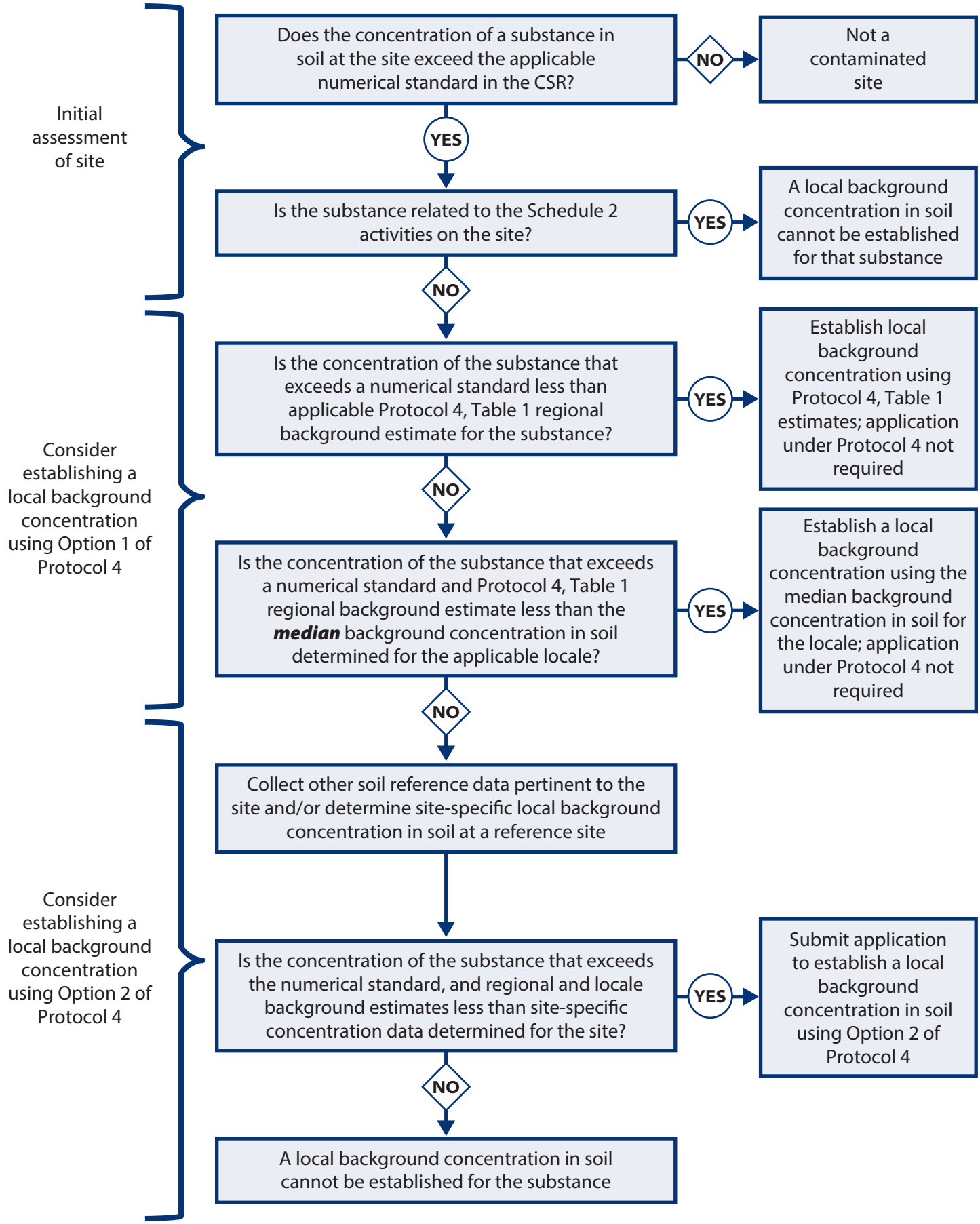Process for establishing a local background concentration