

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: File for Chromium (CAS# 7440-47-3)

FROM: Keisha Williams, Air Quality Division, Toxics Unit

SUBJECT: Screening Level Clarification

DATE: September 6, 2016

The Air Quality Division (AQD) has not established screening levels (SLs) for chromium under the CAS#7440-47-3, but there are SLs for specific valence states of chromium: trivalent chromium (CAS#16065-83-1) and hexavalent chromium (CAS# 18540-29-9). Furthermore, certain trivalent chromium compounds, chromium (III) hydroxide (CAS#1308-14-1) and chromium (III) oxide (CAS#1308-38-9), have SLs. To determine potential impacts of emissions, the specific form of chromium should be identified and compared to the relevant SLs. To be health-protective, if the specific form of the chromium emissions is unknown or unclear, one may utilize the most restrictive SLs to determine acceptability in the AQD permitting process.