



MEMORANDUM



This value represents the average amount of sediment that is eroded and potentially transported to drainages within the Outfall 008 watershed each year as a result of rainfall. The average annual suspended sediment load estimated for stormwater discharges at the Outfall 008 sample point was calculated to be 5.2 tons per year (Appendix B, Table 7). This value was the result of multiplying the average annual runoff volume at Outfall 008 (15 acre feet per year) calculated using the calibrated Storm Water Management Model (SWMM) and the average TSS concentration measured in runoff at Outfall 008 (257 mg/L) calculated from eleven grab samples collected at the NPDES outfall sample point. The large difference between the amount of estimated erosion sediment being transported to the Outfall 008 drainages annually (1,000 tons) and the estimated suspended sediment load discharged at Outfall 008 annually (5.2 tons) can be explained by the facts that (a) the TSS sample and measurement do not account for bedload, which may be a significant transported mass in the drainage, and (b) depression storage throughout the catchment and in the drainages captures significant amounts of eroded sediment prior to it reaching the Outfall 008 sample point.

RWQCB Comment #4: Section 5-5, “Confirmation Soil Sampling” indicates that samples will be collected at “varying depths”. Staff understands that samples will be collected at a range of depths below the surface of the excavation. Please clarify the proposed sampling depths in the Final Work Plan.

Response: Confirmation soil samples from excavation sidewalls will be collected at varying depths below ground surface, not at varying depths into the side wall. In future documents, this will be referred to as varying elevations within the sidewall.

RWQCB Comment #5: The sequence of source cleanups in the watersheds for outfalls 008 and 009 is not clear in the Final Work Plan. The schedule of the NASA work in the eastern 009 area is not well integrated into the overall schedule discussion. The Final Work Plan shall include a combined schedule with both NASA and non-NASA work and also include a chart that indicates the organizational responsibilities for each area cleanup task.

Response: The 2009 ISRA remedial actions include source removal from 7 locations within the Outfall 008 watershed on Boeing property and 2 locations within the Outfall 009 watershed on NASA property. Data gap sampling is currently being performed for the remaining ISRA

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preliminary evaluation areas (PEAs) in the Outfall 009 watershed on Boeing and NASA property and is expected to be completed in 2010. Results of the data gap sampling will be used to refine the ISRA PEAs using the ISRA area identificat

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gasoline, diesel fuel, or jet fuel, if such aeration: a. Emits reactive organic compounds (ROC), as measured by a certified organic vapor analyzer, in excess of 50 parts per million by volume (ppmv) above background, as hexane, except nonrepeatable momentary readings.” Therefore, the PID action level to fulfill the requirements for VCAPCD will be 50 ppmv. Soil stockpile management procedures, including air monitoring protocols and the VCAPCD soil stockpile PID action level, will be included in the SMP, which will be submitted to the RWQCB for review and approval, and DTSC for comment, prior to implementation.

REFERENCES

DTSC, 2009. Letter from Mr. Buck King to the RWQCB presenting the GSU Review