Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
Region: 09 **Non Federal Facilities**						
Region: 09 **SFD-7-1** **CA Site Cleanup Section I**						
ADVANCED MICRO DEVICES, INC.	CAD048634059	00	GOVT Five-Year Review	FE4	F	09/30/14

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	09/30/16	03/01/24		Under Discussion	01/19/22
Issue OU: 01	[OU - AMD 901/902] The remedy selected for the Site is no longer being operated.			[OU - AMD 901/902] Selected a revised cleanup plan and prepare a revised EPA decision document.			[OU - AMD 901/902] The PRP has submitted an FFS to EPA, which is currently under review.			[OU - AMD 901/902]	

ADVANCED MICRO DEVICES, INC.	CAD048634059	00	GOVT Five-Year Review	FE9	F	09/18/19

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/22		Ongoing	01/19/22
Issue OU: 01	[Signetics, Inc. [also transferred to Triple Site] Outdoor air TCE levels have shown a g]enerally upward trend over time since regular sampling commenced in January 2015.			[Signetics, Inc.] [also transferred to Triple Site] : Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.			]Signetics, Inc.] [also transferred to Triple Site]			[Signetics, Inc.] [also transferred to Triple Site]	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Repair or add armor to cap	P	E	09/01/22	09/01/25		Ongoing	01/19/22
Issue OU: 01	[Transferred from TRW Microwave, Inc. Building 825] The remedy selected for the AMD Site is no longer being operated and does not address vapor intrusion.			[Transferred from TRW Microwave, Inc. Building 825] Select a revised remedy which also addresses potential vapor intrusion in the event of future land use changes.			[Transferred from TRW Microwave, Inc. Building 825] More time needed to select a revised remedy.			[Transferred from TRW Microwave, Inc. Building 825]	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
ADVANCED MICRO DEVICES, INC. (BUILDING 915)	CAT080034234	00	GOVT Five-Year Review	FE4	F	09/15/14

Site Primary RPM Name: Abreu, Lilian

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Determine the need for further response action(s)	E	E	09/30/19	09/30/22		Under Discussion	01/25/22
Issue OU: 01	A State MCL for hexavalent chromium has recently been established and the MCLs for chloroform, ethylbenzene and 1,2,4-trichlorobenzene has changed.			An Explanation of Significant Differences should be issued to set new clean up goals for the chemicals considering the new MCLs.			Under discussion				
Remedy Performance	Remedy not likely to achieve remediation goals	N	Y	Remedy Performance - Other Recommendation	E	B	09/30/19	09/30/25		Under Discussion	01/25/22
Issue OU: 01				Establish a broader strategy for groundwater restoration for the AMD 915 upgradient sites.			Clean-up progress at the AMD 915 Site is compromised by contamination from the upgradient Signetics Site. EPA negotiated an AOC with the RP for Signetics, effective March 15, 2019, for a groundwater FFS, with the goal of exploring newer groundwater treatment technologies to accelerate the pace of the long-term groundwater cleanup and, by extension, cleanup of the neighboring Sites, including the AMD 915 Site.				

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
ADVANCED MICRO DEVICES, INC. (BUILDING 915)	CAT080034234	00	GOVT Five-Year Review	FE9	F	09/18/19

Site Primary RPM Name: Abreu, Lilian

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	O	O	09/01/24	09/01/24		Ongoing	01/25/22
Issue OU: 01	The remedy selected for the AMD 915 DeGuigne Drive Superfund Site does not address vapor intrusion.			Select a revised cleanup plan which incorporates long-term stewardship measures for the current vapor intrusion mitigation measures in place, as well as addresses potential vapor intrusion in the event of future land use changes.							

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
ATLAS ASBESTOS MINE	CAD980496863	00	GOVT Five-Year Review	FE6	F	09/15/21

Site Primary RPM Name: Aisling, Kathleen

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	E	E	12/31/22	12/31/22		Ongoing	01/11/22
Issue OU: 01, 02	No Site inspection was completed due to Covid 19 travel restrictions.			Complete a Site inspection once travel restrictions have been lifted.						Travel restrictions still in effect. Site conditions make travel due to Covid even more difficult.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
BROWN & BRYANT, INC. (ARVIN PLANT)	CAD052384021	00	GOVT Five-Year Review	FE4	F	09/08/16

Site Primary RPM Name: Aisling, Kathleen

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	E	E	06/01/21	06/01/23		Ongoing	01/11/22
Issue OU: 01	Institutional controls required by the OU-1 ROD, in the form of land use covenants prohibiting residential use and ensuring the integrity of the remedy, have not yet been implemented.			Implement institutional controls as specified in OU-1 ROD.			During Dec 2018 discussion, state wanted to wait until ESD or ROD amendment was completed before completing LUC. Changed due date to 2023.				
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	E	E	06/01/21	06/01/23		Under Discussion	01/11/22
Issue OU: 02	Institutional controls required by the OU-2 ROD, in the form of land use controls on the Site and nearby properties to limit use of B-zone groundwater.			Implement institutional controls as specified in OU-2 ROD.			Currently in discussions with State on how to do this or whether its even possible. Revise date to 2023.			Discussed with DTSC on December 13, 2018.	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	06/01/20	09/30/22		Under Discussion	01/11/22
Issue OU: 02	Recent spike in 1,2-DCP concentrations in WB2-1 and trends in downgradient B-zone wells (e.g. PWB-13A, PWB-15 and PWB-16) have recently indicated increasing COC concentrations.			Investigate the increased concentrations of COCs to determine the source and whether MNA will be able to achieve the remedial action objectives with increased concentrations.			Monitoring from 2017-2019 indicates concentrations have greatly decreased since continuous pumping started in late 2015. Wells abandoned by City of Arvin in May 2021 (gathering data to see if that helped). Revise date to 9/30/2022. New wells installed in 1/22 should help the investigation and we will install four more in the first half of 2022.				
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	06/01/20	09/30/22		Under Discussion	01/11/22
Issue OU: 02	Downgradient B-zone wells show increasing trends which indicated MNA may not be sufficient to reduce concentrations in the B-zone to below drinking water standards.			Contractors will submit updated RI/FS that will evaluate different cheanup alternatives for B-Zone during 2020.			Evaluating alternative remedies and installing new wells as part of evaluation process. Four of eight new wells installed in 1/22.			Delays due to Covid have slowed the work. Expect OU2 RIFS by 9/30/2022.	

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Site Name				EPA ID	OU	FYR Action		Action ID	Lead	Finish (Actuals)
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	06/01/20	09/30/23	Under Discussion	01/11/22
Issue OU: 02	Background B-zone groundwater concentrations for 1,2,3-trichloropropane are above the selected cleanup levels.			Conduct an investigation to assess the impact of background concentrations on the ability for the remedy to be completed.			Due to delays caused by Covid, update to CSM has been delayed. Revised RIFS now planned for completion by 9/30/2022. New wells should help this investigation. Changing SEMS to 2023.			
BROWN & BRYANT, INC. (ARVIN PLANT)				CAD052384021	00	GOVT Five-Year Review		FE5	F	09/15/21

Site Primary RPM Name: Aisling, Kathleen

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Fut	Recommendation	Parties Implmt	Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Entity for implementing institutional controls not identified	N	Y	Identify Entity responsible for Implementing ICs	E	E	06/01/26	06/01/26		Ongoing	01/11/22
Issue OU: 01	The institutional controls from the 1993 ROD have not been implemented because the owner for former plant property cannot be located. The 1993 ROD requires institutional controls on the former plant property that prohibit residential use and that ensure the RCRA-cap is maintained.			Identify the owner of former plant property or develop a legal or governmental mechanism to prevent exposure to the on-site soils and to maintain the current remedy.						PRP search on-going.	
Institutional Controls	Institutional controls not identified or defined	N	Y	Institutional Controls - Other Recommendation	E	E	06/01/26	06/01/26		Ongoing	01/11/22
Issue OU: 02	The institutional controls from the 2007 ROD have not been implemented because the property owner for the Site cannot be located and because restricting the use of existing wells within ½ mile of the Site might not be implementable.			To the extent possible, develop governmental controls that restrict the installation of new wells within ½ mile of the Site.						Under investigation to see if possible.	
Monitoring	Monitoring - Other	N	Y	Reconstruct monitoring wells	E	E	10/30/22	10/30/22		Ongoing	01/11/22
Issue OU: 02	Issue: There are four wells as potentially being screened across the aquitard between the A-zone and B-zone and allowing vertical migration of the impacted A-zone groundwater to the B-zone			If cross contamination is occurring, cross screened wells should be abandoned to mitigate A-zone contamination from acting as a continuing source of contamination to the B-zone. The need to monitor groundwater levels and flow directions may merit the replacement of the abandoned wells.						New wells installed in 1/22 should help this analysis.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
COALINGA ASBESTOS MINE	CAD980817217	00	GOVT Five-Year Review	FE6	F	09/15/21

Site Primary RPM Name: Aisling, Kathleen

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	E	E	12/31/22	12/31/22		Ongoing	01/11/22
Issue OU: 01, 02	No Site inspection was completed due to Covid 19 travel restrictions.			Complete a Site inspection once travel restrictions have been lifted.						Travel restrictions still in effect. Site conditions make travel due to Covid even more difficult.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
FAIRCHILD SEMICONDUCTOR CORP. (SOUTH SAN JOSE PLANT)	CAD097012298	00	GOVT Five-Year Review	FE4	F	09/30/09

Site Primary RPM Name: Abreu, Lilian

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Changed Site Conditions	New contaminant was found	N	Y	Evaluate remedy change	S	E	12/31/12	09/30/22		Under Discussion	01/25/22
Issue OU: 01	1,4-dioxane is present in the contaminated groundwater plume, inside the slurry wall, but is not identified in the ROD and does not have a clean-up level.			Finalize the FFS and amend the ROD to reflect a change in remedy.			EPA and the State provided additional technical comments to the RP in March 2019.				

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
FAIRCHILD SEMICONDUCTOR CORP. (SOUTH SAN JOSE PLANT)	CAD097012298	00	GOVT Five-Year Review	FE8	F	09/12/19

Site Primary RPM Name: Abreu, Lilian

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Changed Site Conditions	Changed site condition - Other Issue	N	Y	Changed Site Conditions - Other Recommendation	P	S	09/01/24	09/01/24		Ongoing	01/25/22
Issue OU: 01	1,4-dioxane is present in groundwater inside and outside of the slurry wall, likely due to rising groundwater levels, but is not identified as a contaminant of concern in the ROD and does not have a cleanup level. In addition, 1,1-DCA, 1,2-DCA, and vinyl chloride exceed California MCLs at the Site, but are not identified in the ROD as contaminants of concern			Evaluate inclusion of 1,4-dioxane. 1,1-DCA, 1,2-DCA, and vinyl chloride as contaminants of concern with cleanup levels in an amended ROD.							
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	S	09/01/24	09/01/24		Ongoing	01/25/22
Issue OU: 01	The selected remedy of pump and treat has not been operational since 1993, and some contaminant concentrations within the slurry wall exceed cleanup standards and do not show decreasing trends			Finalize the Focused Feasibility Study and issue a ROD Amendment selecting a new remedial action.							

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
FRESNO MUNICIPAL SANITARY LANDFILL	CAD980636914	00	GOVT Five-Year Review	FE4	F	08/28/20

Site Primary RPM Name: O'Neal, Nathaniel

FYR Issues and Recommendations

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Monitoring	Monitoring not being conducted	N	Y	Conduct additional sampling	P	E	03/01/22	03/01/22		Ongoing	01/26/22
Issue OU: 01				Monitor the perimeter gas wells for volatile organic compounds gas as well as methane.						The 2020 FYR for the Fresno Sanitary Landfill recommended sampling the perimeter probes at the site for VOCs; previous to that, methane was being used as a proxy to determine presence/absence of VOCs. There are 13 perimeter probes around the landfill with 3 depth intervals at each probe. EPA selected 4 locations to be sampled. Samples were collected in May 2021 for VOC gas (method TO-15). The results indicated that 3 of the samples had detections above screening levels. EPA requested additional sampling at 5 perimeter probe locations. Perimeter probes around the landfill were sampled for VOCs at select locations and depth intervals using summa cannisters in May 2021 and September 2021. Results from each sampling event indicated that VOCs in landfill gas were detected above the environmental	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
					screening level (ESL) along the northern and southern boundaries of the site. EPA is working with the City of Fresno (PRP) on the scope for additional sampling of VOCs in soil gas at the landfill and just outside the landfill to further evaluate potential risk to residential, worker, and recreational receptors in and around the landfill.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
FRONTIER FERTILIZER	CAD071530380	00	GOVT Five-Year Review	FE2	F	09/15/17

Site Primary RPM Name: Handley, Bianca

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	S	E	09/01/20	09/30/22		Ongoing	01/26/22
Issue OU: 01	Deed restrictions are not in place on all parcels. Although DTSC currently has land use restrictions in place to protect the site in the short term, this does not ensure long term site protectiveness.			Deed restrictions should be placed on the site to ensure long term protectiveness.			Delay due to time constraints.				
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	B	E	09/01/21	09/01/22		Ongoing	01/26/22
Issue OU: 01	The current cleanup level for TCP is outside EPA's acceptable risk range.			Evaluate the long-term protectiveness of the remedy with respect to groundwater, in light of the new MCL and lower detection limits; and consider a new remedy, if appropriate.			More time needed for the evaluation.				

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
INDUSTRIAL WASTE PROCESSING	CAD980736284	00	GOVT Five-Year Review	FE4	F	09/19/19

Site Primary RPM Name: Diemer, Katherina

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	E	E	09/01/22	09/01/22		Ongoing	01/13/22
Issue OU: 01	Elevated levels of sub-slab soil gas concentrations and the presences of TCE and PCE in indoor air samples indicates that a complete indoor air pathway exists.			Evaluate options to ensure protectiveness of human health from unacceptable indoor air concentrations and consider selecting a final remedy to address the risk.						Ongoing. The SSDS was just sampled and the carbon is being changed out. Winter indoor air sampling will happen in February 2022.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
INTEL MAGNETICS	CAD092212497	00	GOVT Five-Year Review	FE3	F	09/28/07

Site Primary RPM Name: O'Neal, Nathan

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Monitoring	Monitoring - Other	N	N	Conduct Monitoring	P	E	12/30/13	12/30/22		Ongoing	01/27/22
Issue OU: 01	Contaminant levels in groundwater remain above cleanup standards in one well, potential source from upstream.						Results received and reviewed. Will setup additional monitoring with new contract.			Under evaluation	
Remedy Performance	Remedial technology not effective	N	N	Re-evaluate remedy	P	E	12/30/13	12/30/22		Ongoing	01/27/22
Issue OU: 01	Pump and treat not effective. Need to replace with MNA.			Re-evaluate pump and treat and examine MNA as new remedy.			Will evaluate new remedy options after limited investigation is completed, as recommended by optimization study.			Under evaluation	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
INTERSIL INC./SIEMENS COMPONENTS	CAD041472341	00	GOVT Five-Year Review	FE6	F	09/28/20

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Monitoring	Monitoring not being conducted	N	Y	Install new groundwater monitoring wells	P	S	12/30/24	12/30/24		Ongoing	01/19/22
Issue OU: 01				Install additional monitoring wells to delineate groundwater contamination within the A1 and A3 Zones of the Resaturated Interval, south of Forge Drive within the former Intersil property.							

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
MCCOLL	CAD980498695	00	GOVT Five-Year Review	FE5	F	09/27/17

Site Primary RPM Name: Davis, Sp

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	12/30/20	09/30/22		Under Discussion	01/25/22
Issue OU: 04	TBA is considered a possible emerging contaminant at the site and may potentially indicate the leading edge of the contaminant plume within the B and C level aquifers.			Delineate the extent of TBA in the B and C zone aquifer.			Field work postponed for January 2022. Tentatively rescheduled for February 2022.			Work plan has been approved.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
MCCORMICK & BAXTER CREOSOTING CO.	CAD009106527	00	GOVT Five-Year Review	FE3	F	09/24/18

Site Primary RPM Name: Kamran, Sania

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	S	S	09/30/20	09/30/22		Ongoing	01/27/22
Issue OU: 01, 02, 03	The Environmental Land Use Covenant has not been recorded on the McCormick and Baxter owned portion of the property.			Implement a Land Use Covenant on the property.			More time needed for the implementation.			Implement a Land Use Covenant on the property.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
OPERATING INDUSTRIES, INC., LANDFILL	CAT080012024	00	GOVT Five-Year Review	FE7	F	09/24/20

Site Primary RPM Name: Canteenwala, Eric

FYR Issues and Recommendations

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	MNR not occurring at expected rate	N	Y	Remedy Performance - Other Recommendation	P	E	01/01/23	01/01/23		Ongoing	01/18/22
Issue OU: 01				Evaluate remedial optimization or other solutions for reaching the ROD cleanup standards within a reasonable timeframe.			A meeting with the PRP and their counsel has been scheduled for 11/17/2021 to discuss their legal obligation to perform and present an analysis to EPA to determine how long after 2024 they might achieve ROD cleanup goals for organic contaminants in the North Central area.			Under the final ROD (1996), the NC PLC area is supposed to meet ROD cleanup standards by 2024 using the selected MNA remedy. However, recalcitrant contaminants, namely 1,4 Dioxane are currently observed in wells downgradient of the point of compliance in concentrations above the ROD cleanup standard of 1.6 ppb. I have discussed this issue with both my expert technical consultant and ORC site attorney, Eric Esler. The next step is to direct the PRP to complete an evaluation of when the ROD cleanup standards will be met for the North Central PLC area. If the ROD cleanup standards can be met withing a few years of 2024 we would be able to add a memo to the file to note that progress towards the ROD cleanup goals is underway, but may not be met by the 2024 deadline set in the ROD. If the ROD	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
					cleanup standards are not expected to be met for several years to a decade after the ROD deadline we will have to explore alternative remedy options such as adding extraction wells, changing existing pumping regimes to bolster hydraulic capture or other alternatives. This would require either an ESD or ROD Amendment. Our preferred course of action is to see if the PRP can get close to meeting the ROD cleanup standards by 2024 or a few years later using the existing selected remedy. We will ask them to complete a trend analysis and/or more frequent well monitoring to demonstrate that this is a feasible option. EPA approved a workplan to address verified exceedances at well OI-31BR on 1/11/2022. The workplan requires the installation of a new monitoring well to better assess downgradient contamination of 1,4 Dioxane and evaluate when cleanup standards for organic contaminants might be met in the North	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
					Central PLC area. After the well is installed, we will complete at least 4 quarterly sampling events before using the data to evaluate progress towards meeting groundwater cleanup standards in the North Central PLC.	

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Site Name				*EPA ID*	*OU*	*FYR Action*		*Action ID*	*Lead*	*Finish (Actuals)*
Remedy Performance MNR not occurring at expected rate	N	Y	Remedy Performance - Other Recommendation	P	E	01/01/23	01/01/23		Ongoing	01/18/22
Issue OU: 01			Evaluate remedial optimization or other solutions for reaching the ROD cleanup standards within reasonable timeframes.			A meeting with the PRP and their counsel has been scheduled for 11/17/2021 to discuss their legal obligation to perform and present an analysis to EPA to determine how long after 2024 they might achieve ROD cleanup goals for organic contaminants in the North Central area.			Under the final ROD (1996), the NC PLC area is supposed to meet ROD cleanup standards by 2024 using the selected MNA remedy. However, recalcitrant contaminants, namely 1,4 Dioxane are currently observed in wells downgradient of the point of compliance in concentrations above the ROD cleanup standard of 1.6 ppb. I have discussed this issue with both my expert technical consultant and ORC site attorney, Eric Esler. The next step is to direct the PRP to complete an evaluation of when the ROD cleanup standards will be met for the North Central PLC area. If the ROD cleanup standards can be met withing a few years of 2024 we would be able to add a memo to the file to note that progress towards the ROD cleanup goals is underway, but may not be met by the 2024 deadline set in the ROD. If the ROD cleanup standards are not expected to be met for several years to a decade	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
					after the ROD deadline we will have to explore alternative remedy options such as adding extraction wells, changing existing pumping regimes to bolster hydraulic capture or other alternatives. This would require either an ESD or ROD Amendment. Our preferred course of action is to see if the PRP can get close to meeting the ROD cleanup standards by 2024 or a few years later using the existing selected remedy. We will ask them to complete a trend analysis and/or more frequent well monitoring to demonstrate that this is a feasible option.	

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Site Name				*EPA ID*	*OU*	*FYR Action*		*Action ID*	*Lead*	*Finish (Actuals)*
Monitoring	Monitoring - Other	N	Y	Conduct additional sampling	P	E	08/05/22	08/05/22	Ongoing	01/18/22
Issue OU: 03	Soil gas migrating.			Investigate potential landfill gas migration near the former Costco building in the Northeast Area, including potential partitioning of contaminants from gas to groundwater and possible preferential pathways for landfill gas.					RPM is currently consulting with site attorney to determine whether EPA compel the PRP to collect soil vapor samples using soil vapor probes behind the former Costco building under CD-8. EPA is also considering requiring the PRP to sample for VOCs in the well headspace of the existing landfill gas extraction wells. EPA want to know whether we can require this work under existing agreements or whether we need to ask the PRP to voluntarily perform the work.	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
PURITY OIL SALES, INC.	CAD980736151	00	GOVT Five-Year Review	FE4	F	09/22/16

Site Primary RPM Name: Poalinelli, Chip

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	P	E	09/30/21	09/30/22		Under Discussion	01/25/22
Issue OU: 01, 02	Deed restrictions preventing residential uses on on-site and on adjacent properties have not been implemented and ownership issues may make deed restrictions difficult to implement.			Develop an IC implementation plan and implement IC's to prevent damage to the remedy and to prevent residential exposure to contaminated soils on-site and on adjacent properties.			More time needed for the development and implementation of the IC plan.				
Institutional Controls	Institutional controls - Other Issue	N	Y	Institutional Controls - Other Recommendation	P	E	09/30/21	09/30/22		Under Discussion	01/25/22
Issue OU: 01	Institutional controls for groundwater restriction on-site have not been implemented and ownership issues may make deed restriction difficult to implement.			Develop an IC implementation plan and implement IC's to prevent pumping of contaminated groundwater on-site and to eliminate potential exposure to contaminated groundwater on-site.			More time needed for the development and implementation of the IC plan.				

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
PURITY OIL SALES, INC.	CAD980736151	00	GOVT Five-Year Review	FE5	F	09/17/21

Site Primary RPM Name: Poalinelli, Chip

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls not implemented	N	Y	Implement Institutional Controls	P	E	09/30/24	09/30/24		Ongoing	01/25/22
Issue OU: 01, 02	Institutional Controls for on-site have not been implemented.			EPA should continue to work with California's Department of Toxic Substances Control and Fresno County to develop an institutional control plan and implement institutional controls to prevent damage to the remedy and to prevent residential exposure to contaminated soils on-site and on adjacent properties.							

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Site Name				*EPA ID*	*OU*	*FYR Action*		*Action ID*	*Lead*	*Finish (Actuals)*
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	E	E	09/30/22	09/30/22	Ongoing	01/25/22
Issue OU: 01, 02	Due to COVID travel restrictions, EPA was not able to conduct a Site Inspection during the five-year review period.			EPA should conduct a Site Inspection once travel restrictions are lifted.						
Other	Other Issue (uncategorized)	N	Y	Other Recommendation (uncategorized)	P	E	12/31/21	03/31/22	Ongoing	01/25/22
Issue OU: 02	Soil gas sampling for the soil vapor extraction rebound testing has not occurred since 2018.			The annual soil gas sampling program should resume this fall.			More time needed for the soil gas sampling.			

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
SAN FERNANDO VALLEY (AREA 2)	CAD980894901	00	GOVT Five-Year Review	FE2	F	09/30/13

Site Primary RPM Name: Sievers, Larry

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Monitoring	Monitoring - Other	Y	Y	Monitoring - Other Recommendation	E	E	09/30/18	09/01/22		Ongoing	01/21/22
Issue OU: 02, 03	The vapor intrusion pathway of the regional groundwater has not been evaluated for the Area 2 Site.			Vapor intrusion pathway is currently being evaluated. Several rounds of field work have been completed and at least one additional round is being discussed to complete evaluation.			Delay due to COVID-19			Initial work has been reviewed and EPA comments were provided. EPA is evaluating the need and extent for additional PRP-lead field work.	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	09/30/16	12/31/23		Ongoing	01/21/22
Issue OU: 02, 03	The remedy is not fully capturing and containing groundwater contamination.			Remedy Enhancement Plan approved by EPA includes: install new extraction well, new monitoring well; relocate WBA treatment system; optimize extraction rates; one year evaluation period			Delays due to COVID-19.			EPA is evaluating the remedy performance data being collected; monitoring, operations and maintenance	

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
SAN FERNANDO VALLEY (AREA 2)	CAD980894901	00	GOVT Five-Year Review	FE3	F	09/21/18

Site Primary RPM Name: Sievers, Larry

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Other	Other Issue (uncategorized)	N	N	Other Recommendation (uncategorized)	P	B	04/30/19	09/21/22		Ongoing	01/21/22
Issue OU: 02, 03	Increasing The vapor intrusion study is not final; however, several rounds of field work have been completed.			Complete the Vapor Intrusion Study.			More time needed to complete vapor intrusion study. Additional field study or monitoring evaluation may be needed			Completed initial study, need for additional sampling under evaluation	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
SYNERTEK, INC. (BUILDING 1)	CAD990832735	00	GOVT Five-Year Review	FE4	F	09/27/12

Site Primary RPM Name: Diemer, Katherina

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Monitoring	Monitoring - Other	N	Y	Conduct additional sampling	P	B	10/31/13	03/31/22		Under Discussion	01/13/22
Issue OU: 01	There has been a slight increase in 1,1-DCE in monitoring well MW29			The groundwater monitoring program should be expanded to determine the cause of this slight increase.			Still under discussion and ongoing. We are in talks with the State for possible transfer of site back to EPA				
Remedy Performance	Access controls/security not adequate	N	Y	Remedy Performance - Other Recommendation	S	E	03/30/13	03/31/22		Under Discussion	01/13/22
Issue OU: 01	The existing restrictive covenant is not consistent with current state law (California Civil Code section 1471) which establishes the framework for environmental covenants in California.			A restrictive covenant should be recorded for the Site that is consistent with current California law.			Pending resolution with Waterboard. Meeting with RWQB and they will reach out for the new covenant.			Draft covenant has been reviewed and comments provided. Awaiting response to comments.	
Remedy Performance	Remedy not fully implemented	N	Y	Remedy Performance - Other Recommendation	P	B	12/31/14	03/31/22		Under Discussion	01/13/22
Issue OU: 01	The SCR and ROD specify the final remedial action plan for the site to be a GWET system, which has not operated since 2001.			Currently pilot testing of an alternative remedy, EISB, is underway. A feasibility study is needed to evaluate alternative remedies to GWET and provided the basis for amending the ROD.			FS submitted - Undergoing State/EPA review.				

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
SYNERTEK, INC. (BUILDING 1)	CAD990832735	00	GOVT Five-Year Review	FE5	F	09/27/17

Site Primary RPM Name: Diemer, Katherina

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	B	B	09/07/20	03/31/22		Under Discussion	01/13/22
Issue OU: 01	The selected remedy will not achieve remedial action objective of groundwater restoration for future potential use as drinking water.			Select a new remedy by issuing a decision document.			In discussion with the Water Board. A RODA will be needed. ongoing.				

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
TRIPLE SITE	CAN000900265	00	GOVT Five-Year Review	FE1	F	09/18/19

Site Primary RPM Name: Abreu, Lilian

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Changed Site Conditions Issue OU: 01, 02	Changed site condition - Other Issue Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU	N	Y	Changed Site Conditions - Other Recommendation Select a revised remedy which addresses vapor intrusion.	P	E	09/01/22 More time needed for selection of revised remedy.	09/01/25		Ongoing	01/19/22
Remedy Performance Issue OU: 01, 02	Remedy Performance - Other Issue Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.	N	Y	Remedy Performance - Other Recommendation Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.	P	E	09/01/22	09/01/22		Ongoing	01/19/22
Remedy Performance Issue OU: 01, 02	Remedy Performance - Other Issue The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.	N	Y	Remedy Performance - Other Recommendation Conduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.	P	E	09/01/22 More time needed to conduct remedy performance optimization efforts.	09/01/25		Ongoing	01/19/22
Changed Site Conditions Issue OU: 02	Changed site condition - Other Issue [Transferred from Advanced Micro Devices, Inc.] Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU.	N	Y	Changed Site Conditions - Other Recommendation [Transferred from Advanced Micro Devices, Inc.] Select a revised remedy which addresses vapor intrusion.	P	E	09/01/22 [Transferred from Advanced Micro Devices, Inc.] More time needed to select a revised remedy which addresses vapor intrusion.	09/01/25		Ongoing [Transferred from Advanced Micro Devices, Inc.]	01/19/22
Changed Site Conditions Issue OU: 02	Changed site condition - Other Issue [Transferred from TRW Microwave, Inc. Building 825] Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU	N	Y	Changed Site Conditions - Other Recommendation [Transferred from TRW Microwave, Inc. Building 825] Select a revised remedy which addresses vapor intrusion.	P	E	09/01/22 [Transferred from TRW Microwave, Inc. Building 825] More time needed to select a revised remedy which addresses vapor intrusion.	09/01/25		Under Discussion [Transferred from TRW Microwave, Inc. Building 825]	01/19/22

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Site Name				EPA ID	OU	FYR Action		Action ID	Lead	Finish (Actuals)
Changed Site Conditions Issue OU: 02	Changed site condition - Other Issue [Transferred from Advanced Micro Devices, Inc.] Groundwater concentrations in the off-site plume indicate a potential for vapor intrusion in an area with 4 schools and over 100 residences. There has been limited indoor air sampling in the area.	N	N	Conduct additional studies [Transferred from Advanced Micro Devices, Inc.] Conduct additional vapor intrusion assessments at the site.	P	E	09/30/15 [Transferred from Advanced Micro Devices, Inc.] A protectiveness determination of the remedy at the OOU cannot be made at this time until further information is obtained. Vapor intrusion assessments must be conducted to determine if indoor air pathways are complete. If unacceptable levels are encountered in a particular building, mitigation plans will be implemented to ensure that levels of VOCs in indoor air are protective. EPA began a vapor intrusion assessment and completed this effort in September 2019 by negotiating an AOC with the RPs to require preemptive mitigation of 40 residential buildings in the highest VI-risk area of the OOU, rather than back-and-forth monitoring indefinitely. To date, more than 20 school and residential mitigation systems have been installed. O&M inspections are ongoing in mitigated buildings. Need to complete two winter sampling events.	12/30/23	Ongoing [Transferred from Advanced Micro Devices, Inc.]	01/19/22
Remedy Performance Issue OU: 02	Remedy Performance - Other Issue [Transferred from TRW Microwave, Inc. Building 825] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.	N	Y	Remedy Performance - Other Recommendation [Transferred from TRW Microwave, Inc. Building 825] Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.	P	E	09/01/22 [Transferred from TRW Microwave, Inc. Building 825]	09/01/22	Ongoing [Transferred from TRW Microwave, Inc. Building 825]	01/19/22
Remedy Performance Issue OU: 02	Remedy Performance - Other Issue [Transferred from Advanced Micro Devices, Inc.] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.	N	Y	Remedy Performance - Other Recommendation [Transferred from Advanced Micro Devices, Inc.] : Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.	P	E	09/01/22 Transferred from Advanced Micro Devices, Inc.]	09/01/22	Ongoing Transferred from Advanced Micro Devices, Inc.]	01/19/22

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Site Name				*EPA ID*	*OU*	*FYR Action*		*Action ID*	*Lead*	*Finish (Actuals)*
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25	Ongoing	01/19/22
Issue OU: 02	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.			[Transferred from Advanced Micro Devices, Inc.] : Conduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.		[Transferred from Advanced Micro Devices, Inc.] More time needed to conduct remedy performance optimization efforts.			[Transferred from Advanced Micro Devices, Inc.]	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25	Ongoing	01/19/22
Issue OU: 02	[Transferred from TRW Microwave, Inc. Building 825] The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.			[Transferred from TRW Microwave, Inc. Building 825] onduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.		[Transferred from TRW Microwave, Inc. Building 825] More time needed to conduct remedy performance optimization efforts.			[Transferred from TRW Microwave, Inc. Building 825]	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
TRW MICROWAVE, INC (BUILDING 825)	CAD009159088	00	GOVT Five-Year Review	FE6	F	09/18/19

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	01/19/22
Issue OU: 01	The remedy selected for the TRW Site is no longer being operated.			Select a revised remedy which incorporates long-term stewardship measures for the current vapor intrusion mitigation measures in place, as well as addresses potential vapor intrusion in the event of future land use changes.			More time needed to select a revised remedy.				
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	01/19/22
Issue OU: 01	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the AMD Site is no longer being operated and does not address vapor intrusion.			[Transferred from Advanced Micro Devices, Inc.] Select a revised remedy which also addresses potential vapor intrusion in the event of future land use changes.			[Transferred from Advanced Micro Devices, Inc.] More time needed to Select a revised remedy.			[Transferred from Advanced Micro Devices, Inc.]	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	09/30/16	03/01/24		Under Discussion	01/19/22
Issue OU: 01	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the Site is no longer being operated.			[Transferred from Advanced Micro Devices, Inc.] Selected a revised cleanup plan and prepare a revised EPA decision document.			[Transferred from Advanced Micro Devices, Inc.] RP conducting additional site characterization activities to develop an FFS to support a RODA.			[Transferred from Advanced Micro Devices, Inc.]	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/22		Ongoing	01/19/22
Issue OU: 01	[Signetics, Inc.] [also transferred to Triple Site] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.			[Signetics, Inc.] [also transferred to Triple Site] Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.			[Signetics, Inc.] [also transferred to Triple Site]			[Signetics, Inc.] [also transferred to Triple Site]	

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Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
WATKINS-JOHNSON CO. (STEWART DIVISION PLANT)	CAD980893234	00	GOVT Five-Year Review	FE4	F	09/27/17

Site Primary RPM Name: Diemer, Katherina

FYR Issues and Recommendations

Issue Category	Issue	Affects Prtctvnss Curr	Affects Prtctvnss Fut	Recommendation	Parties Implmt	Parties Ovrst	Original Planned Completion Date	Current Planned Completion Date	Actual Completion Date	Status	Verified by RPM Date
Institutional Controls	Institutional controls not implemented	N	Y	Evaluate IC effectiveness	E	E	12/31/20	03/31/22		Ongoing	01/13/22
Issue OU: 01				Once the vapor intrusion evaluation is completed, determine whether to revise the remedy to remove the requirement for institutional controls, or to require the implementation of institutional controls as provided in the existing ROD, to achieve long term protectiveness.			The site was purchased by a new party who was unaware of the documents not being complete. We are in discussion with ORC, other parties and their attorneys now.			Ongoing, VI assessment comments are being addressed. PRP working on LUCs, ICs, and CMP for final review.	

Region 09 CA Site Cleanup Section I Totals

Total Sites:	**20**	**Total Issues Ongoing:**	**41**	**Total Issues with No Status Designated:**	**0**	**Total Issues (except completed) not verified by RPM within the last 6 months:**	**0**
Total Reviews:	**27**	**Total Issues Completed:**	**0**	**Total Issues Under Discussion:**	**17**	**Total Issues/Recommendations Not Complete:**	**0**

Region 09 Non Federal Facilities Totals

Total Sites:	**20**	**Total Issues Ongoing:**	**41**	**Total Issues with No Status Designated:**	**0**	**Total Issues (except completed) not verified by RPM within the last 6 months:**	**0**
Total Reviews:	**27**	**Total Issues Completed:**	**0**	**Total Issues Under Discussion:**	**17**	**Total Issues/Recommendations Not Complete:**	**0**

Region 09 Totals

Total Sites:	**20**	**Total Issues Ongoing:**	**41**	**Total Issues with No Status Designated:**	**0**	**Total Issues (except completed) not verified by RPM within the last 6 months:**	**0**
Total Reviews:	**27**	**Total Issues Completed:**	**0**	**Total Issues Under Discussion:**	**17**	**Total Issues/Recommendations Not Complete:**	**0**

All Totals

Total Sites:	**20**	**Total Issues Ongoing:**	**41**	**Total Issues with No Status Designated:**	**0**	**Total Issues (except completed) not verified by RPM within the last 6 months:**	**0**
Total Reviews:	**27**	**Total Issues Completed:**	**0**	**Total Issues Under Discussion:**	**17**	**Total Issues/Recommendations Not Complete:**	**58**

*** For purposes of this report, "Complete", "Addressed in the Next FYR" and "Considered and Not Implemented" are considered complete statues for issue/recommendations. Issue/recommendation statuses of "Ongoing", "Under Discussion" and "Blank" are considered not complete.*