Hunters Point Naval Shipyard Timeline

1869-1939	Site a privately-owned, commercial dry dock facility
1939	U.S. Navy purchases Hunters Point site
1945-1974	HPNS used as a naval submarine and ship repair facility
1948-1969	HPNS also used as the site of the Naval Radiological Defense Laboratory
1974	HPNS closed
1976-1986	Triple A Machine Shop, Inc. leases 98% of HPNS from Navy to run a commercial ship repair facility
1980s	Site deemed safe for artists' use and SFPD
1988	A community Technical Review Comte. was formed (Note: comte. later turned into a Restoration Advisory Board [RAB] in 1993)
1989	HPNS added to the NPL
1990	Shipyard included in Base Realignment and Closure Act (BRAC), which was passed by Congress in 1990
Sept, 1990	Federal Facilities Agreement (FFA) for cleanup signed (Note: a final revised version signed in Jan, 1992)
1991-1994	**Parcel A**: 23 USTs Removed, Site Inspection, Soil Removal for DDT and sand blast grit from 1993-1994
Jan, 1992	Final, revised FFA signed (Navy, EPA, DTSC, RWQCB signatories) (orig. FFA signed in Sept, 1990)
1993	Special legislation passed authorizing property transfer to the City of San Francisco at no cost
1993	The community Technical Review Comte. converted to a Restoration Advisory Board (RAB) (Note: Technical Review Comte. originally formed in 1988)
Aug, 1995	**Parcel A**: Feasibility Study Report (Low level of motor oil remain and deed restriction imposed). No further action remedy selected.
Nov, 1995	**Parcel A**: Record of Decision issued (No Further Action)
1997	HPNS redevelopment plan adopted by SF Board of Supervisors (amended in 2010)
March, 1999	Lennar selected as the master developer for HPNS by City of SF
1999	**Parcel A**: Removed from EPA National Priorities List
2002	EPA Rad Scanner Van Survey (includes Parcel A, areas of Parcel B, Parcel C, and minor portions of Parcels D and E)
Feb, 2004	**Parcel A**: Former worker alleged Radium-226 contaminated storm drains ignored by Navy (SF Chronicle reported allegation May, 2018)
Summer, 2004	**Parcel A**: Tetra Tech EC Inc. tested and demolished Bldg. 322, EPA Health Physicist scanned and found no elevated levels of rad
August, 2004	Historical Radiological Assessment (history of the use of radioactive materials on base) issued by Navy (665 pages long)
Oct, 2004	**Parcel A**: Final Finding of Suitability to Transfer (FOST), following several carve-outs after discoveries of concerns
Dec, 2004	**Parcel A**: Transferred to the City of San Francisco (first parcel transferred)
2006	Earliest allegations from former workers of Tetra Tech EC wrongdoing listed in NRC Petition (e.g., conveyor belt ran too fast, portal monitor alarm ignored)

2006	Earliest signs of Tetra Tech EC Inc. data quality problems found in EPA reviews (e.g., Parcel B missing scan data)
2008	Former workers alleged that soil sample swapping began this year (reported in Mar 2016)
Jan, 2009	Parcel B-2: ROD finalized
Feb, 2009	Parcel G: ROD finalized
Sept, 2009	Parcel D-1: ROD finalized
Dec, 2009	RAB authorized to be dissolved by the Acting Assistant Secretary of Navy
2010	HPNS redevelopment plan amended by SF Board of Supervisors (original plan adopted in 1997)
Oct, 2010	Parcel C: ROD finalized
Oct, 2012	Navy asked Tetra Tech EC Inc. about K-40 anomalies, on sign of falsification
Oct, 2012	Cleanup status at all parcels: ➢ Investigation Complete: 95% done ➢ Final Remedy Decision: 70% done ➢ Final Cleanup Action Complete: 30% done ➢ Transfer of Parcel to the City of San Francisco: 8% done.
Nov, 2012	Parcel E-2: ROD finalized
2013	Tetra Tech EC Inc. resampled hundreds of locations with K-40 anomalies. In five broad areas, they found results higher and did more cleanup
Dec, 2013	Parcel E: ROD finalized
Jan, 2014	Parcel UC-3: ROD finalized
April, 2014	Tetra Tech EC Inc. report of its internal investigation and stated that issues had been resolved.
Sept, 2015	Parcels D-2, UC-1, UC-2 (adjacent to Parcel A) transferred to City of SF
Feb, 2016	NRC Notice of Apparent Violation – two workers swapped samples at 10-15 locations in Parcel C
March, 2016	NBC News broadcasts former worker allegations
March, 2016	EPA asked Navy to launch investigation of allegations
July, 2016	EPA, DTSC, RWQCB told Navy verbally no further transfers until issues resolved
Sept, 2016	EPA, DTSC letter to Navy saying above
Oct, 2016	EPA written recommendations to Navy to begin sampling at locations of higher concern
Dec, 2016	EPA refined written recommendations for the same under Enrique's signature
Jan, 2017	Navy proposal to do statistical radiological data evaluation
Jan, 2017	EPA response that statistical analysis does not confirm any given data are not necessarily falsified; EPA recommends not to delay resampling
May, 2017	Navy suggests using Area Averaging instead of Not To Exceed. EPA immediately says that is inconsistent with past practice at this site and other EPA sites and EPA written policy
June, 2017	Navy again suggests using Area Averaging instead of Not To Exceed, EPA immediately says that is inconsistent with past practice at this site and other EPA sites and EPA written policy

Aug, 2017	Navy suggests 12 mrem/year new cleanup standards. EPA responds that is inconsistent with past practice at this site and other EPA sites and EPA written policy.
Sept, 2017	Draft Navy Parcel B and Parcel G soil reports estimate 14–50% of survey units show signs of falsification
Oct, 2017	EPA emails show 90–97% survey units show signs of falsification or data quality concerns
Nov, 2017	Navy agrees to resample all survey units, but to re-excavate a small subset. EPA gives Navy in writing quotes and page numbers from EPA guidance showing that 12 mrem/yr and Area Averaging are inconsistent with EPA written policy
Nov, 2017	EPA proposes "prove-out" path forward
Dec, 2017	Navy gives counter-proposal that includes Area Averaging and resampling much smaller subset of parcels
Feb, 2017	Navy, EPA, DTSC, CDPH senior management meet re: path forward
Feb, 2017	Navy draft resampling Workplan
March, 2017	EPA, DTSC, CDPH comments on draft Workplan
April, 2018	Navy Clarification proposal submitted to regulators
Sept, 2018 (est.)	*Parcel F: Final ROD*

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