

Site Hazard Assessments Of Model Toxics Control Act Sites By Local Government

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WAC 173-340-320 Site Hazard Assessment (SHA)

The purpose of the SHA is to provide sufficient sampling data and other information to:

- Confirm or rule out a release or threatened release of a hazardous substance
- Identify/quantitate the hazardous substance(s)
- Identify relevant site characteristics
- Evaluate potential for the relative threat to human health and the environment
- Determine hazard ranking

Site Hazard Assessment (SHA) continued...

The WA Department of Ecology may rely on another government agency to conduct an SHA on its behalf provided the Department determines that this agency is:

- not suspected to have contributed to the release or threatened release of the hazardous substance; and
- no conflict of interest exists

Site Hazard Assessment (SHA) continued...

Department of Ecology Decision-Making:

- Based on the results of the SHA and other available information about the site, the Department shall either determine
 - the site *warrants no further action* or
 - *proceed with ranking* and placing the site on the hazardous sites list

Chronology of Grant-funded County Health Department Participation

WA Dept. of Ecology SHAs

<u>Year</u>	<u>(No.)</u>	<u>County Health Departments with SHA Grant</u>
		<i>Note: Bold indicates beginning of grant</i>
1992	(1)	Okanogan
1993	(5)	Okanogan; Snohomish, Southwest Washington (Clark and Skamania), Spokane, Yakima
1994	(9)	Grant , Okanogan, Seattle-King , Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston , Yakima
1995	(10)	Grant, Kittitas , Okanogan, Seattle-King, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Yakima
1996	(10)	Grant, Kittitas, Okanogan, Seattle-King, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Yakima
1997	(11)	Bremerton-Kitsap, Island , Kittitas, Okanogan, Seattle-King, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Yakima
1998	(11)	Bremerton-Kitsap, Island, Seattle-King, Skagit , Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whitman , Yakima

<u>Year</u>	<u>(No.)</u>	<u>County Health Departments with SHA Grant</u>
1999	(13)	Bremerton-Kitsap, Island, Lewis , Seattle-King, Skagit, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whatcom , Whitman, Yakima
2000	(15)	Benton-Franklin , Bremerton-Kitsap, Grant (renewal) , Island, Lewis, Seattle-King, Skagit, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whatcom, Whitman, Yakima
2001	(17)	Benton-Franklin, Bremerton-Kitsap, Grant, Island, Jefferson , Lewis, Okanogan (renewal) , Seattle-King, Skagit, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whatcom, Whitman, Yakima
2002	(18)	Benton-Franklin, Bremerton-Kitsap, Chelan-Douglas, Clallam , Grant, Island, Jefferson, Lewis, Okanogan, Seattle-King, Skagit, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whatcom, Whitman
2003	(18)	Benton-Franklin, Bremerton-Kitsap, Chelan-Douglas, Clallam, Grant, Island, Jefferson, Lewis, Okanogan, Seattle-King, Skagit, Snohomish, SW Washington, Spokane, Tacoma-Pierce, Thurston, Whatcom, Whitman
2004	(17)	Benton-Franklin, Chelan-Douglas, Clallam, Clark, Grant, Island, King, Kitsap, Lewis, Okanogan, Skagit, Snohomish, Spokane, Tacoma-Pierce, Thurston, Whatcom, Whitman

**WDOE Solid Waste/Financial Assistance Program
Grant-Funded Local Health Districts (SHAs)
Currently Funded Total = \$3,574,000
(June 22, 2004)**

<u>CRO</u>	\$271,000 Total
Benton-Franklin (ERO) Health District <i>Clifford Bates/Kay Rottell</i>	\$80,000
Chelan-Douglas Health District <i>Thomas Guthrie/Suzen Hyde</i>	\$56,200
Okanogan County Health District <i>Doug Hale</i>	\$135,000
<u>ERO</u>	\$179,000 Total
Grant County Health District <i>Gerald Campbell</i>	\$44,000
Spokane Regional Health District <i>Michael LaScuola/Jim Sackville-West</i>	\$55,000
Whitman Co. Dept. of Public Health <i>John Skyles</i>	\$80,000

**WDOE Solid Waste/Financial Assistance Program
Grant-Funded Local Health Districts (SHAs)
continued...**

<u>NWRO</u>	\$1,865,000 Total
Bremerton-Kitsap Co. Health District <i>John Kiess/Grant Holdcroft</i>	\$169,200
Island Co. Health Department <i>Michael Barenburg</i>	\$78,750
Public Health – Seattle & King County <i>Peter Isaksen/Yolanda Pon/Carsten Thomsen</i>	\$1,298,000
Skagit Co. Health Department <i>Polly Dubbel/Britt Pfaff</i>	\$32,200
Snohomish Health District <i>Geoffrey Crofoot</i>	\$152,000
Whatcom County Health Department <i>Mindy Miller</i>	\$134,760

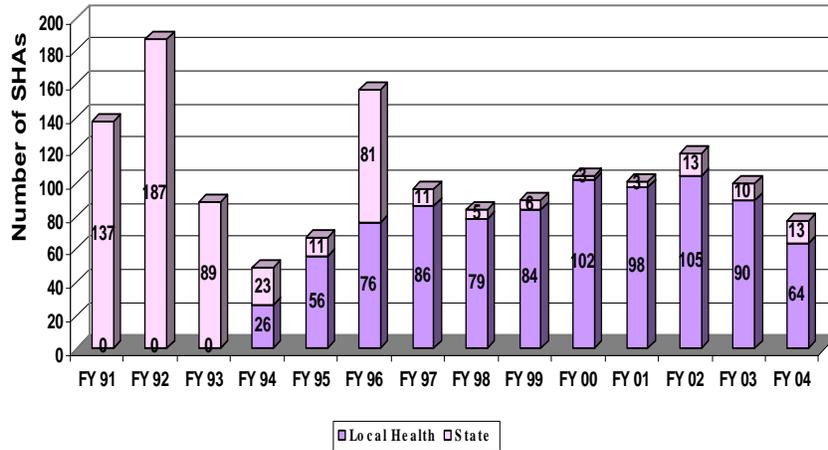
**WDOE Solid Waste/Financial Assistance Program
Grant-Funded Local Health Districts (SHAs)
continued...**

<u>SWRO</u>	<u>\$1,259,000 Total</u>
Clallam Co. Dept. Health & Human Services <i>Jennifer Barnhill</i>	\$83,000
Southwest Washington Health District <i>Gary Bickett</i>	\$107,000
Lewis Co. Health Department <i>Steve Garrett</i>	\$66,000
Tacoma-Pierce Co. Health Department <i>Sharon Bell</i>	\$833,000
Thurston Co. Health Department <i>Gerald Tousley/Brad Zulewski</i>	\$169,500

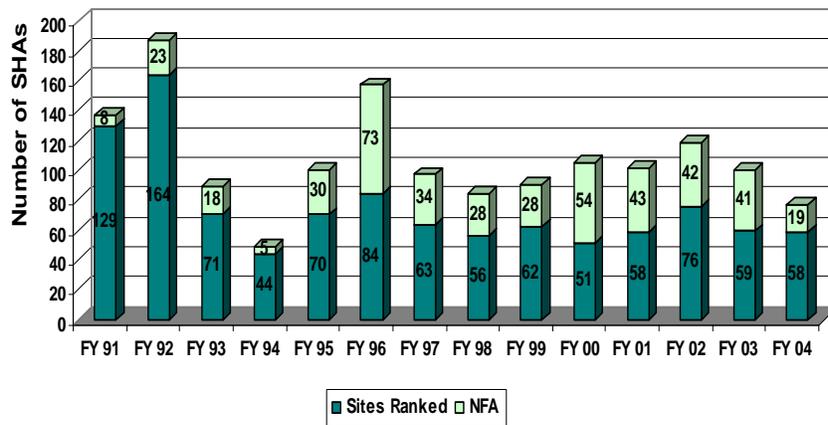
Washington Counties with SHA Grants



Department of Ecology
 Toxics Cleanup Program
Site Hazard Assessments (SHA) Completed
State and Local Health Department Activity



Department of Ecology
 Toxics Cleanup Program
Site Hazard Assessments (SHA) Completed
Rank/No Further Action



**Total Universe of SHAs/No Further Actions (NFAs)
by County Health Departments/Districts (CHDs)
and the Department of Ecology
through February 24, 2003**

<u>Agency</u>	<u>Ranked Sites</u>	<u>NFA Sites</u>	<u>Other*</u>	<u>Total</u>
CHDs	520	342	48	910 (60.5%)
Ecology	498	96	1	595 (39.5%)
Totals:	1018 (67.6%)	438+ (29.4%)	49 (3%)	1505

* VCP Referrals, rerankings, delistings, etc.

+ Five NFAs have been relisted

**EPA NFA Sites Referred to WDOE
Statewide Summary – June 16, 2004**

<u>Region</u>	<u>R</u>	<u>AA</u>	<u>NFA</u>	<u>NOS?</u>	<u>Ind.RA/Other</u>	<u>Total</u>
CRO	23	2	55	6	4	90
ERO	20	0	39	6	10	75
NWRO	73	25	97	22	23	240
SWRO	36	7	40	29	17	129
Indust.	5	0	1	0	0	6
Site Cleanup	1	0	1	0	0	2
Total	158 29.2%	34 6.3%	233 43%	63 11.6%	54 9.9%	542

R = Site rank is under WARM

AA = Awaiting assessment under MTCA (SHA)

NFA = whichever of the current NFA codes are applicable

NOS? = Not on WDOE database?

Ind.RA/Other = a general catch-all category; independent cleanups, transferred sites, Tribal sites, etc.

Summary – NFA Distribution

No Further Actions (NFAs) following Site Hazard Assessments (SHAs)

March 22, 2004

Region	A	A-1	B	C	D	Total
CRO	12	14	16	15	1	58
ERO	43	12	5	1	--	61
Indust.	--	1	--	--	--	1
NWRO	47	20	100	42	6	215
SWRO	22	9	48	21	3	103
Total	124	56	169	79	10	438+

+ Four NFAs have been relisted

Key

- A = Site cleanup done, confirmational sampling, Q reported
- A-1 = Site cleanup done, confirmational sampling, Q unreported
- B = Sampling during SHA showed conc's below MTCA cleanup levels
- C = Other
- D = Drug Lab

SHA Cleanups Conducted

Region	No. of Sites A + A-1	Reported Yd ³ of Contam. Soil	Other
CRO	26	7,165	87 drums; 55 batteries; 589 yd ³ asbestos
ERO	55	16,610	5 drums sludges; 1,500 drums; 60 yd ³ asbestos
Indust.	1	--	
NWRO	64	49,323	22,000 tons elemental sulfur; 2,000 gallons contam. water; 99 drums; 28,000 yd ³ contam. sed; 60,010 yd ³ soil not all contam; 700 PCB transformers
SWRO	28	13,078	321 drums; 3,400 lb sludges; 100 yd ³ contam. bark; 1,800 gallons contam. water
Totals	180	86,176	

- Key
- A = Site cleanup done, confirmational sampling, Q reported
 - A-1 = Site cleanup done, confirmational sampling, Q unreported

For more information...

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