

OHIO EPA'S SCRAP TIRE ABATEMENT PROGRAM

Ohio EPA's Division of Solid and Infectious Waste Management (DSIWM) manages Ohio's state-funded scrap tire abatement program. When Ohio EPA uses state funds to clean up a scrap tire site, it attempts to recover those costs from the property owner and/or the facility operator, as authorized by Ohio law in Ohio Revised Code (ORC) 3734.85. ORC paragraph 3734.85(E) establishes criteria for cleanups of no more than 2,000 tires if several conditions are met without cost recovery. Funding priorities also established in ORC 3734.85 did not allow Ohio EPA to begin these types of cleanups until October 2005. Since October 2005, over fifty-nine (59) of these sites have been cleaned up. An [under 2,000 tire consensual agreement form](#), available on Ohio EPA's web site, must be completed and sent to Ohio EPA with supporting paperwork.

Many cleanups are done with local or private (property owner) funding. Local governments and solid waste management districts manage scrap tire cleanups with local funding as they do other solid waste open dump cleanups. In addition to more than 39 million tires removed from 90 scrap tire sites by state funding (see table below), local funding and enforcement efforts have resulted in the removal of more than 11 million scrap tires from more than 169 sites.

The process of cleaning up scrap tire dumps cannot start until someone identifies the site to authorities. Citizens can be a great help. If you know of a tire dump, please report its location to the local health department, an Ohio EPA district office, or Ohio EPA's solid waste division at 877-372-2621 (toll-free).

During the last decade, Ohio EPA has made significant progress dealing with previous decades of open dumping and failed scrap tire recycling ventures. By law, Ohio EPA must prioritize scrap tire sites and first clean up the ones that present the greatest threat to public health, safety and the environment. With most of Ohio's largest scrap tire sites cleaned up, smaller sites are becoming priorities for cleanup.

As Ohio's largest scrap tire site, Kirby Tire in Wyandot County consumed most of the funds available for cleanup. The site was estimated to contain 20 to 25 million scrap tires at the time of its court-ordered closure in 1998. A year later, Ohio's largest scrap tire fire occurred there, involving an estimated 5 to 7 million scrap tires. The fire was extinguished by burial on site. While burial of the fire is an effective means of extinguishing the fire, it is not a long term solution since the fire residuals need eventually to be moved to a proper disposal site. On-site wastewater treatment was needed to clean water that comes in contact with the fire residuals. Five separate tire removal contracts have been awarded at the Kirby site to complete the removal of the 19 million scrap tires that were not involved in the August 1999 fire. The removal of the unburnt tires was completed in June 2006. A separate cleanup contract awarded in June 2006 completed the removal of the buried tires and tire fire residuals remaining in April 2008.

Ohio EPA periodically awards tire cleanup contracts to qualified bidders through a competitive bid process. This bid process is open to all of Ohio's licensed scrap tire storage, recovery, monocell and monofill operators and to equivalent scrap tire businesses in other states.

Starting in 2005, the Ohio Department of Administrative Services (DAS) has assisted Ohio

EPA by providing contractual administrative services. For electronic notice of scrap tire procurement opportunities, you must register with DAS at www.ohio.gov/procure. Begin the registration process by clicking on the “Selling to the State” icon and then the “Vendor Registration” icon.

The contract for the cleanup of scrap tires was re-competed in 2008 with an award in July 2008 for a two-year period. A separate contract was awarded at the same time for those difficult scrap tire cleanups where the majority of the scrap tires are buried or submerged. Future scrap tire remediation cleanups will be based on priorities in the law, enforcement actions, identification of new sites, funding availability, etc.

Scrap tire abatement contracts awarded to date and the associated state-funded projects are:

Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalents [PTEs] Removed)	Dollar Value
ReGenesis, Summit	Sep-97	Apr-99	Largest unlicensed site, in densely populated area (4,031,106 PTEs removed) failed pyrolysis project.	\$3,231,582
Seelig, Clark	Feb-98	Jul-98	Unlicensed site, in densely populated area, on bank of Mad River (860,350 PTEs removed)	\$1,008,251
Warsing, Coshocton	Oct-98	May-99	Closed by court order, unlicensed site (2,173,200 PTEs removed)	\$2,421,021
Willis, Lawrence	Sep-98	Oct-98	Densely populated area, near Ohio river (125,000 PTEs removed)	\$321,500
COGCO, Mahoning	Jan-99	May-99	Densely populated area, failed pyrolysis plant. (530,476 PTEs removed)	\$657,540
Kirby, Wyandot	May-99	Sep-01	Largest scrap tire site in Ohio. 2,681,215 PTEs removed and 7,006,551 gallons of contaminated water treated during first contract (USEPA fire response of \$2,500,000 not included)	\$2,435,845
Kirby, Wyandot	Aug-99	Jun-01	Fire response costs and subsequent water treatment as a result of the fire in August 1999	\$1,695,933
Kirby, Wyandot	Jul-01	Jun-03	First separate water treatment and security contract – 3,611,323 gallons of water treated	\$1,013,793
Kirby, Wyandot	Oct-01	Jul-02	2 nd contract for scrap tire removal at Ohio’s largest unlicensed site (2,956,154 PTEs removed)	\$2,123,346
Timco, Harrison	Mar-02	Sep-02	Proximity to a sensitive population (elementary school) and unlicensed (484,309 PTEs removed)	\$307,443
Kays, Portage	May-02	Aug-02	Unlicensed site, estimated at over 1 million PTEs (559,376 PTEs removed)	\$382,776
Kirby, Wyandot	Oct-02	June-03	3 rd contract for scrap tire cleanup at Ohio’s largest scrap tire site (3,001,872 PTEs removed)	\$1,849,417
Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalents [PTEs] Removed)	Dollar Value

JKV, Lorain	Nov-02	Mar-03	Densely populated area, unlicensed site (574,232 PTEs removed)	\$420,298
Kirby, Wyandot	Jul-03	May-04	4 th contract for scrap tire cleanup at Ohio's largest scrap tire site (removed 3,001,275 PTEs)	\$2,647,965
Kirby, Wyandot	Jul-03	Jun-05	2 nd two-year water treatment and security contract, 4,996,502 gallons of water treated	\$1,248,457
McMasters Portage	Nov-03	Jul-05	Removal of 1,073,523 PTEs, near Berlin Reservoir, tires in a flooded strip pit	\$1,514,448
Kirby, Wyandot	May-04	Jun-06	5 th contract for scrap tire services at Ohio's largest scrap tire site (removed 7,018,887 PTEs).	\$4,963,941
Adriatic, Mahoning	Aug-04	Sept-04	Removal of whole tires and tire shreds from former licensed recycling facility that failed to close properly. (176,410 PTE removed)	\$140,681
Benedict-Woosley, Morrow	Oct-04	Nov-04	Removal of 147,402 PTE from illegal site.	\$137,354
Harr, Scioto	Oct-04	Dec-04	Removal of 21,304 unburned PTEs and 12,980.33 tons of fire residuals and contaminated soils.	\$492,914
Rader, Morrow	Jan-05	Apr-05	Removal of 504,291 PTEs from illegal site.	\$452,365
Parker, Summit	May-05	Aug-05	Removal of 964,399 PTEs from an unlicensed site.	\$867,052
Kirby, Wyandot	Jul-05	Apr-08	3 rd two-year water treatment and security contract, 4,792,240 gallons of water treated.	\$1,023,333

Separate contracts were awarded for each site listed above. Multiple contracts were awarded at the Kirby site.

Initiated multiple award contracts through DAS. Initial contracts awarded July 2005 to Rumpke of Ohio and Liberty Tire Services of Ohio. Contracts were effective through 30 June 2008. A total of 57 sites were cleaned up using these contracts.

West, Perry	Sep-05	Nov-05	Removal of 215,870 PTEs from an unlicensed site.	\$192,437
Spring Grove, Columbiana	Sep-05	Dec-05	Removal of 28,995 PTEs from an unlicensed site.	\$35,333
Keller, Auglaize	Oct-05	Nov-05	Removal of 99,333 PTEs from an unlicensed site.	\$94,830
Monroe FG, Monroe	Nov-05	Nov-05	Removal of 19,516 PTEs from an unlicensed site. First under 2,000 tires consensual agreement site. A large number of truck and agricultural tires filled with tire inflated number of PTEs.	\$26,918
Metzler, Guernsey	Nov-05	Nov-05	Removal of 9,446 PTEs from an unlicensed site.	\$18,696
C. Gray, Belmont	Dec-05	Dec-05	Removal of 4,337 PTEs from an unlicensed site.	\$7,632
J. Gray, Jackson	Dec-05	Dec-05	Removal of 2,824 PTEs from an unlicensed site. Second under 2,000 tires consensual agreement site.	\$6,495
Crestline, Richland	Apr-06	Jul-06	Removal of 227,608 PTEs from an unlicensed scrap tire site that had been operated as an auto salvage yard.	\$196,721
Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalent [PTEs] Removed)	Dollar Value

Bogie, Warren	May-06	May-06	Removal of 379 PTEs from an unlicensed site. Third under 2,000 tires consensual agreement site.	\$2,419
Cloke, Warren	May-06	May-06	Removal of 490 PTEs from an unlicensed site. Fourth under 2,000 tires consensual agreement site.	\$2,250
V.Bressler, Henry	May-06	May-06	Removal of 1,993 PTEs from an unlicensed site. Fifth under 2,000 tires consensual agreement site.	\$7,790
B. Bressler, Henry	May-06	May-06	Removal of 1,134 PTEs from an unlicensed site. Sixth under 2,000 tires consensual agreement site.	\$6,587

A separate contract for removal of the buried Kirby scrap tire fire residuals was awarded through DAS to Environmental Quality Management.

Kirby-EQM, Wyandot	Jun-06	Apr-08	Removal of buried tire fire residuals from the August 1999 fire involving 5 to 7 million tires. (PTEs shredded = 4,616,709, Tire pieces in solid waste = 6,500,000 PTEs {estimated})	\$11,197,066
Emig, Coshocton	Jun-06	Jun-06	Removal of 5,546 PTEs from an unlicensed site. Seventh under 2,000 tires consensual agreement site.	\$8,898
Bowers, Coshocton	Jun-06	Jun-06	Removal of 1,359 PTEs from an unlicensed site. Eighth under 2,000 tires consensual agreement site.	\$3,237
Red Sea, Coshocton	Jun-06	Jun-06	Removal of 231 PTEs from an unlicensed site. Ninth under 2,000 tires consensual agreement site.	\$1,712
Lejeune, Trumbull	Jul-06	Jul-06	Removal of 896 PTEs from an unlicensed site. Tenth under 2,000 tires consensual agreement site.	\$6,209
Rothmill, Guernsey	Jul-06	Aug-06	Removal of 2,734 PTEs from an unlicensed site. Eleventh under 2,000 tires consensual agreement site. A number of truck tires increased the PTEs.	\$8,964
Mercer, Jackson	Aug-06	On hold	Removal of 7,247 PTEs from an unlicensed site. Work was stopped when owner withdrew access permission.	\$11,159
Thacker, Jackson	Sep-06	Sep-06	Removal of 10,944 PTEs from an unlicensed site. 12 th under 2,000 tires consensual agreement site. A number of truck tires increased the PTEs.	\$17,052
Pillsbury, Perry	Nov-06	Nov-06	Removal of 605 PTEs from an unlicensed site. 13 th under 2,000 tires consensual agreement site.	\$900
Long, Warren	Dec-06	Dec-06	Removal of 1,361 PTEs from an unlicensed site. 14 th under 2,000 tires consensual agreement site	\$3,933

A separate contract to deal with tires dumped on very rugged terrain was awarded through DAS to Environmental Quality Management. Little Bear Wood Products was the subcontracted mobile scrap tire recovery facility.

Vodrey, Columbiana	Apr-07	Apr-07	Removal of 1,895 PTEs from an unlicensed site. 15 th under 2,000 tires consensual agreement site. Rugged terrain contract.	\$15,474
Beaverkettle, Columbiana	Apr-07	Apr-07	Removal of 1,755 PTEs from an unlicensed site. 16 th under 2,000 tires consensual agreement site. Rugged terrain contract.	\$11,657
Moore, Columbiana	May-07	May-07	Removal of 71,506 PTEs from a business location of a former registered scrap tire transporter. Rugged terrain contract.	\$274,063
Pitts, Greene	May-07	May-07	Removal of 503 PTEs from an unlicensed site. 17 th under 2,000 tires consensual agreement site.	\$1,095
Abbott, Adams	May-07	Jun-07	Removal of 23,798 PTEs from an unlicensed site.	\$38,148
ODNR Delaware	May-07	May-07	Removal of 732 PTEs from an unlicensed site. 18 th under 2,000 tires consensual agreement site.	\$900
Jenkins, Jackson	Jun-07	Jun-07	Removal of 506 PTEs from an unlicensed site. 19 th under 2,000 tires consensual agreement site.	\$5,925
Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalents [PTEs] Removed)	Dollar Value

Goodnite, Morgan	Jun-07	Jun-07	Removal of 369 PTEs from an unlicensed site. 20 th under 2,000 tires consensual agreement site.	\$900
Klammer, Lake	Jun-07	Jun-07	Removal of 1,258 PTEs from an unlicensed site. 21 st under 2,000 tires consensual agreement site.	\$1,800
Ravenna, Portage	Jun-07	Jun-07	Removal of 19,416 PTEs from an unlicensed site. 22 nd under 2,000 tires consensual agreement site. Large number of buried truck tires filled with dirt.	\$21,341
Wiley, Harrison	Jun-07	Jun-07	Removal of 8,656 PTEs from an unlicensed site. 23 rd under 2,000 tires consensual agreement site. Truck tires and dirt filled tires increased PTEs.	\$12,357
Pealer, Jefferson	Nov-07	Nov-07	Removal of 2,828 PTEs from an unlicensed site. 24 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$9,101
Hnatiak-Akosi, Ottawa	Nov-07	Nov-07	Removal of 1,599 PTEs from an unlicensed site. 25 th under 2,000 tires consensual site.	\$7,239
ODNR Meilke, Lucas	Nov-07	Nov-07	Removal of 1,388 PTEs from an unlicensed site. 26 th under 2,000 tires consensual site.	\$3,610
Jenkins III, Lucas	Nov-07	Nov-07	Removal of 1,389 PTEs from an unlicensed site. 27 th under 2,000 tires consensual site.	\$3,611
Nix, Lucas	Nov-07	Nov-07	Removal of 1,389 PTEs from an unlicensed site. 28 th under 2,000 tires consensual site.	\$3,610
Tsemillies, Columbiana	Dec-07	Jan-08	Removal of 19,919 PTEs from an unlicensed site.	\$43,139
Garten, Warren	Dec-07	Dec-07	Removal of 6,234 PTEs from an unlicensed site. 29 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$10,506
Yoak, Warren	Dec-07	Dec-07	Removal of 3,600 PTEs from an unlicensed site. 30 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$4,623
Baer, Greene	Dec-07	Dec-07	Removal of 2,415 PTEs from an unlicensed site. 31 st under 2,000 tires consensual site. Truck tires upped PTEs.	\$4,907
Kings Mill Tech Cntr, Warren	Dec-07	Dec-07	Removal of 985 PTEs from an unlicensed site. 32 nd under 2,000 tires consensual site.	\$1,808
Golder, Hamilton	Dec-07	Dec-07	Removal of 477 PTEs from an unlicensed site. 33 rd under 2,000 tires consensual site.	\$2,107
Gabbard, Warren	Jan-08	Jan-08	Removal of 3,418 PTEs from an unlicensed site. 34 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$5,846
Brewer, Hamilton	Jan-08	Jan-08	Removal of 903 PTEs from an unlicensed site. 35 th under 2,000 tires consensual site.	\$2,648
Weaver, Ashtabula	Feb-08	Feb-08	Removal of 1,273 PTEs from an unlicensed site. 36 th under 2,000 tires consensual site.	\$1,800
Horner, Portage	Feb-08	Feb-08	Removal of 7,828 PTEs from an unlicensed site. 37 th under 2,000 tires consensual site. Truck & dirt filled tires upped PTEs.	\$11,494
Bussel, Hamilton	Feb-08	Feb-08	Removal of 2,197 PTEs from an unlicensed site. 38 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$4,294
ASTRI, Ashtabula	Feb-08	Mar-08	Removal of 88,870 PTEs from a previously licensed facility that failed to maintain compliance.	\$72,384
Andover, Ashtabula	Feb-08	Feb-08	Removal of 35,906 PTEs from an unlicensed site.	\$42,560
Warren County Engineer	Apr-08	Apr-08	Removal of 3,487 PTEs from an unlicensed site. 39 th under 2,000 tires consensual site. Truck tires upped PTEs.	\$5,949
City of Logan, Hocking	Apr-08	Apr-08	Removal of 640 PTEs from an unlicensed site. 40 th under 2,000 tires consensual site.	\$900

Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalents [PTEs] Removed)	Dollar Value
Pinnick, Marion	Apr-08	Apr-08	Removal of 278 PTEs from an unlicensed site. 41 st under 2,000 tires consensual site.	\$900
Union Twp, Scioto	May-08	May-08	Removal of 3,816 PTEs from an unlicensed site. 42 nd under 2,000 tires consensual site. Truck tires upped PTEs.	\$8,100
Alexander, Miami	May-08	May-08	Removal of 1,340 PTEs from an unlicensed site. 43 rd under 2,000 tires consensual site.	\$2,656
Morley, Warren	May-08	May-08	Removal of 1,102 PTEs from an unlicensed site. 4 th site under the rugged terrain contract and 44 th under 2,000 tires consensual site.	\$11,089
Painesville, Lake	May-08	May-08	Removal of 524 PTEs from an unlicensed site. 45 th under 2,000 tires consensual site.	\$1,200
Ginn, Brown	Jun-08	Jun-08	Removal of 2,197 PTEs from an unlicensed site. 46 th under 2,000 tires consensual site. Solid waste & mud filled tires.	\$25,161
Morristown, Belmont	Jun-08	Jun-08	Removal of 1,732 PTEs from an unlicensed site. 47 th under 2,000 tires consensual site.	\$7,511
Congo, Perry	Jun-08	Jun-08	Removal of 541 PTEs from an unlicensed site. 48 th under 2,000 tires consensual site.	\$900
Awarded a separate multiple award contract for sites where the primary removal is of buried and submerged tires. Contracts awarded July 2008 to Environmental Quality Management (EQM), Liberty Tire Services of Ohio, and Eagle Construction and Environmental Services.				
Naypaver, Trumbull	Aug-08	Aug-08	Removal of 77,750 tires buried in a man-made dam at an unlicensed site. An additional \$5,347.50 was spent on an engineering evaluation of the dam.	\$210,038
Goss, Muskingum	Nov-07	On-going	Liberty Tire Services removed 631,940 PTEs under the 2005 MAC Contract and EQM is continuing the work under the Buried and Submerged MAC.	\$2,700,000 as of Dec. 2008
Dials/Meadows/McAfee, Jefferson	Nov-08	Nov-08	Removal of 7,478 PTEs and buried fire residuals from an unlicensed site	\$77,468
Ron's Auto, Franklin	Nov-08	Nov-08	Removal of 15,106 PTEs from an unlicensed site. 49 th under 2,000 tires consensual site. Large off-the-road and truck tires.	\$48,139
Mercer, Jackson	On-hold 2006	Oct-08	Completion of projected interrupted by owner in 2006. A total of 36,234 PTEs removed from a flooded strip pit.	\$100,187
Brownie Airport, Butler	Oct-08	On-going	Test pits dug to verify continuing presence of buried tires at the site. Owner completing removal in 2009.	\$3,380
Re-competed multiple award contracts through DAS. Contracts awarded July 2008 to Rumpke of Ohio and Liberty Tire Services of Ohio. Contracts effective through 30 June 2010.				
Keysor, Auglaize	Sep-08	Sep-08	Removal of 3,117 PTEs from an unlicensed site. 50 th under 2,000 tires consensual site.	\$35,225
Wayne National Forest, Athens	Sep-08	Sep-08	Removal of 400 PTEs from an unlicensed site. 51 st under 2,000 tires consensual site.	\$616
Orozy, Ashtabula	Oct-08	Oct-08	Removal of 35,826 PTEs from an unlicensed site.	\$65,078
Wayne National Forest, Washington	Oct-08	Oct-08	Removal of 492 PTEs from an unlicensed site. 52 nd under 2,000 tires consensual site.	\$682
Carpenter, Brown	Oct-08	Oct-08	Removal of 1,462 PTEs from an unlicensed site. 53 rd under 2,000 tires consensual site.	\$4,952

Site, County	Work Started	Work Completed	Criteria at Time of Contract Award (Passenger Tire Equivalents [PTEs] Removed)	Dollar Value
Witta, Ashtabula	Oct-08	Oct-08	Removal of 580 PTEs from an unlicensed site. 54 th under 2,000 tires consensual site.	\$914
Milton Twp, Jackson	Nov-08	Nov-08	Removal of 335 PTEs from an unlicensed site. 55 th under 2,000 tires consensual site.	\$518
Garner, Hocking	Nov-08	Nov-08	Removal of 5,754 PTEs from an unlicensed site. 56 th under 2,000 tires consensual site. Large off-the-road and truck tires.	\$13,028
Weiler, Montgomery	Nov-08	Nov-08	Removal of 2,645 PTEs from an unlicensed site. 57 th under 2,000 tires consensual site. Mixture of truck and passenger tires.	\$7,128
Guilford, Defiance	Nov-08	Nov-08	Removal of 1612 PTEs from an unlicensed site. 58 th under 2,000 tires consensual site.	\$1,820
Peterson, Richland	Dec 08	Dec 08	Removal of 7,770 PTEs from an unlicensed site. 59 th under 2,000 tires consensual site.	\$9,186
			TOTAL ACTUAL COSTS	\$47,178,173

Note: The Kirby water treatment and scrap tire removal contracts awarded since 2001 were made possible by the increase in the scrap tire fee from \$0.50 to \$1.00 per tire. This increase in revenue also allowed Ohio EPA to replenish nearly \$3.7 million it spent from its solid waste account for fire-related expenses at the Kirby tire site from September 1999 through June 2001. Cleanup of the Kirby site was accelerated and completed in nine years rather than the fifteen years originally estimated. The revenue increase also allowed the completion of over forty other sites during those eight years.