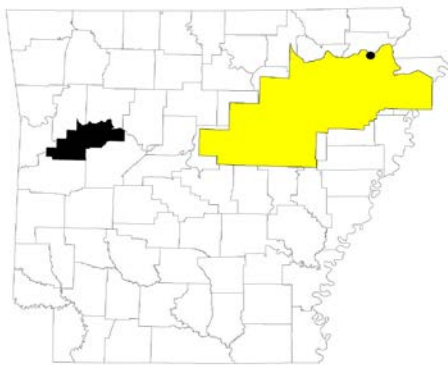


Thompson Scientific Industries

STATE PRIORITY LIST SITE SCRANTON, ARKANSAS



ADEQ
5301 Northshore Drive
North Little Rock, Arkansas 72118



EPA RCRA ID No: N/A
EPA CERCLA ID No: N/A
AFIN: 42-00117
County: Logan
Arkansas Senate District: 6
Arkansas House District: 84
US Congressional District: 4

Current Status

Thompson Scientific Industries (TSI) was a waste tire processor where tires underwent a pyrolysis process to produce fuel oils and carbon char. TSI operations began in 1996. In 1999, TSI was shut down and was abandoned. Upon preliminary investigation, the Arkansas Department of Environmental Quality (ADEQ) finalized the Remedial Action Decision Document (RADD) for the facility outlining the possible remedies for the site on June 22, 2012. The remediation included the removal of waste tires, chars, liquid wastes, drums and tanks. In addition, the facility excavated the contaminated soil in the former tire storage area, former drum storage area and the former tank storage area and backfilled the excavated areas with clean soil. The final inspection of the site was conducted on May 20, 2013. The grass was established on the backfilled areas. The Remedial Action Completion Report has been submitted and approved by ADEQ. The Site has been recommended for removal from the SPL at the next rulemaking.

State Priority List History

ADEQ has added TSI to the Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation No. 30 (Arkansas Remedial Action Trust Fund Hazardous Substance Site Priority List). The Site has been recommended for removal from the SPL at the next rulemaking.

Site Description

Location: The site is located at 1605 River Port Road in Scranton, Logan County, Arkansas.

Latitude: 35° 23' 25.32284"

Longitude: 93° 30' 27.96748"

Population: About 222 residents live in the city of Scranton.

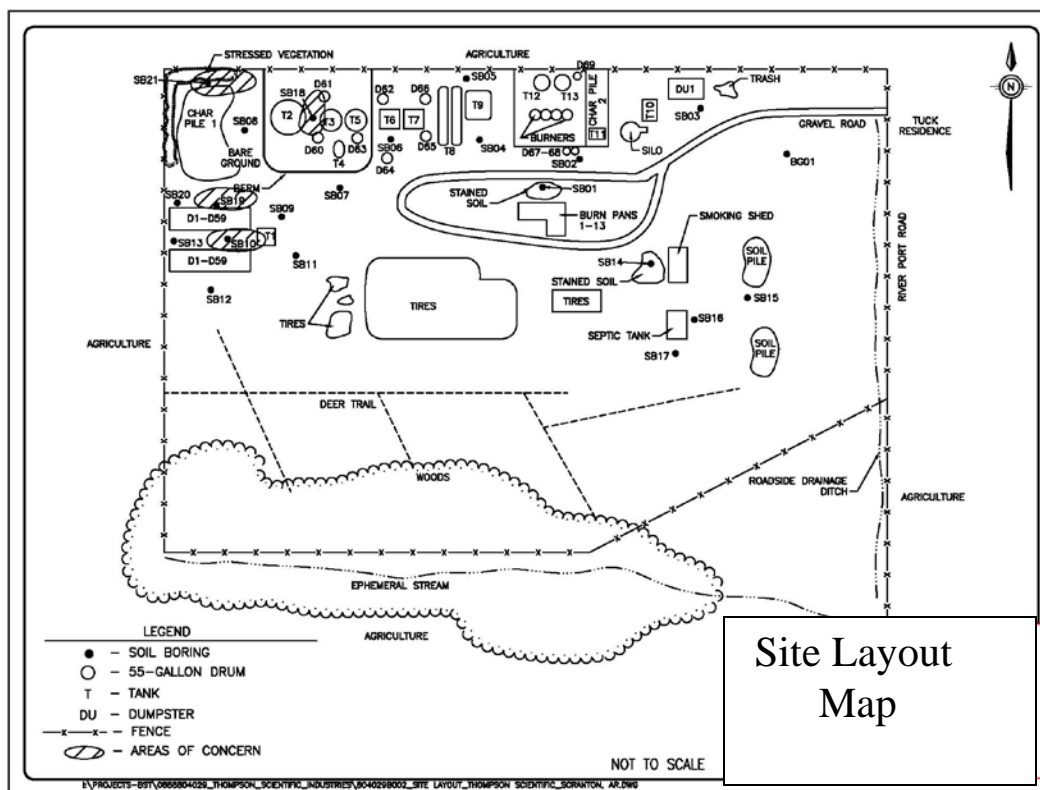
Setting: The seven (7) acre facility is located east of Arkansas Highway 109 on River Port Road. The rural site has wooded areas on and surrounding the property. The abandoned Thompson Scientific Industries (TSI) facility consists of one processing/storage building and numerous tanks, drums and ancillary equipment. Areas immediately adjacent to the operations are generally graveled covered with some residual processed waste.

Hydrology: The Arkansas River lies less than 1/2 mile north of the site. The town of Morrison Bluff is located just west of the site.

Aerial Photo:



Location Diagram:



Waste and Volumes

TSI left all of the operating equipment and machinery as well as numerous industrial wastes (hazardous and non-hazardous) on-site when it was abandoned. Site assessment work indicated large quantities of waste fluids (e.g., distilled liquids, oily liquids) in tanks and drums, product carbon char, waste water, and waste tires. There were an estimated 35,000 waste tires and about 900 cubic yards of char left by TSI. The waste tires and carbon char was removed. As of September 2010, the remaining wastes were summarized as follows:

Liquids (approximate quantity):

Oil, Distillates and Oily Water
(D001)

20,000.00 Gallons

(For the purpose of the removal action, all tanks and drums are assumed to be full.)

Misc.

25 Gallons

Residual Waste Solids:

69 drums and 13 tanks
(Approximate Weight = 80 tons)

(The tanks, drums and liquid waste have been removed from the site. See ADEQ Response Action)

Contaminated Soils and Groundwater:

The data obtained from the previous site assessment work indicated impacts to top soils and subsurface soils around the drum storage area and bermed tank storage area. It was assessed the detected site contaminants may potentially be present in groundwater particularly around the drum area where contaminants have been detected in subsurface soil. Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) were considered the contaminants of concern in the soil and groundwater. Additional assessment performed by ADEQ concluded that there was no groundwater contamination. A total of 1,033.0 cubic yards of contaminated soil was excavated and transported to a proper disposal facility.

Health Considerations

The remedial actions eliminated risks to human health and the environment. Any future risk at the site due to the ingestion of the contaminated soils, surface water and groundwater have been addressed.

ADEQ Response Actions

TSI facility was a tire processor where tires underwent a pyrolysis process to produce fuel oils and carbon char. The seven (7) acre facility was shut down and abandoned in 1999. TSI left all of the operating equipment and machinery as well as numerous industrial wastes.

In 2001, ADEQ conducted a preliminary site assessment investigation. The work identified large quantities of waste fluids in the tanks and drums. In June 2009, approximately 50,000 waste tires were removed from the site. This work was completed by the West River Valley Waste tire Management District.

In December 2010, ADEQ - HWD in cooperation with Office of State Procurement retained a contractor for a removal action at the TSI site in Scranton, Arkansas. The removal action included the removal of waste fluids in the tanks and removal of the drums. Waste Express, Inc. removed the waste on February 21, 2011. The waste was characterized and shipped off site to the appropriate licensed disposal or recycling facility.

ADEQ - HWD retained CDM Smith Inc. (CDM) to perform an environmental investigation at this site. CDM initially submitted a CSA Scope of Work (CSA SOW) for the site. The CSA SOW was approved on November 22, 2010. In December 2010, CDM submitted the CSA Work Plan (CSA WP). ADEQ conditionally approved the CSA WP on January 20, 2011.

The CSA Report was submitted on June 30, 2011 and was approved on July 20, 2011. The assessment was performed to collect sufficient data for the characterization of the site. Activities were performed during the CSA to determine if hazardous substances have impacted the property. CSA defined the nature and extent of impact in order to evaluate the potential future risks to human health and the environment.

The field investigation consisted of sampling surface soil and subsurface soil to identify the nature and extent of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH) – gasoline range organics (GRO)/diesel range organics (DRO), metals,

pesticides and dioxin contamination in soil and potential impact to groundwater within the immediate vicinity of the TSI site. Groundwater was not encountered during the site investigation. The investigation identified the AOCs over approximately three (3) acres to include:

- former drum storage area,
- former tire storage area,
- former tank storage area

The results obtained from the investigation indicated the chemical constituents exceeding the risk-based cleanup levels in the soil in the areas of concern are SVOCs, VOCs, TPH-GRO/DRO and Metals.

TSI submitted Remedial Action Memorandum (RAM) in December 2011 and the Remedial Action Plan (RAP) was submitted in April 2012. The Arkansas Department of Environmental Quality (ADEQ) finalized the Remedial Action Decision Document (RADD) for the facility outlining the possible remedies for the site on June 22, 2012. Upon approval of remedial design by the Arkansas Building Authority, the excavation of the soil was initiated in February 2013. On May 9, 2013, the completion site inspection was conducted. The soil in the former tire storage area, former drum storage area and the former tank storage area were excavated and backfilled. The grass was established on the backfilled areas. The final inspection of the site was conducted on May 20, 2013.

ADEQ Anticipated Future Activities

The remediation was completed based on the details outlined in the RADD. In addition, the final inspection of the site was conducted to affirm the areas of concern have been excavated and backfilled with the clean soil. The facility submitted the Remedial Action Completion Report. The report has been approved by ADEQ. The Site has been recommended for removal from the SPL at the next rulemaking.

Site Contacts

Project Coordinator:	Mostafa Mehran	(501) 682-0837 mehran@adeq.state.ar.us
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