

Appendix A: Target Industries for the Heat NEP

Programmed inspections under this NEP shall occur on any day that the NWS has announced a heat warning or advisory for the local area (see [Appendix G](#) for a description of these types of alerts). This appendix includes three tables of industries (NAICS codes at the 4-digit level) with the following: 1) High numbers or high incidence rates of heat related illnesses from the Bureau of Labor Statistics (BLS) data; 2) Elevated number of days away from work (BLS) or high numbers of severe cases of heat-related illnesses, as indicated by death or hospitalization, from OSHA severe injury reports made by employers; or 3) the highest number of heat-related general duty clause 5(a)(1) violations and HALs over a 5 year period (1/1/2017 thru 12/31/2021), or the highest number of OSHA heat inspections since 2017. Table 1 lists non-construction industries in ListGen, Table 2 lists construction industries, and Table 3 lists non-construction industries not found in ListGen.

***Note:** It should not be assumed that employee exposure to heat occurs in all establishments within the industries listed in the tables below. The AO may delete from their target list any establishment that does not have an exposure to heat-related hazards or an establishment that has had a comprehensive or partial health inspection that addressed heat hazards with an Opening Conference date occurring within the twelve (12) previous months, see [Section XII B2 Site Selection Deletions](#).*

Table 1. Non-construction industries that are in ListGen and are likely to have heat-related hazards.

2017 4-Digit

NAICS Code	2017 NAICS Industry Sector Title
1121	Cattle Ranching and Farming
1151	Support Activities for Crop Production
2131	Support Activities for Mining
3118	Bakeries and Tortilla Manufacturing
3211	Sawmills and Wood Preservation
3241	Petroleum and Coal Products Manufacturing
3251	Basic Chemical Manufacturing
3272	Glass and Glass Product Manufacturing
3311	Iron and Steel Mills and Ferroalloy Manufacturing
3314	Nonferrous Metal (except Aluminum) Production and Processing
3315	Foundries
3323	Architectural and Structural Metals Manufacturing
3329	Other Fabricated Metal Product Manufacturing
3361	Motor Vehicle Manufacturing
3362	Motor Vehicle Body and Trailer Manufacturing
3363	Motor Vehicle Parts Manufacturing
3364	Aerospace Product and Parts Manufacturing
3365	Railroad Rolling Stock Manufacturing

3366	Ship and Boat Building
3369	Other Transportation Equipment Manufacturing
3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing
4239	Miscellaneous Durable Goods Merchant Wholesalers
4241	Paper and Paper Product Merchant Wholesalers
4242	Drugs and Druggists' Sundries Merchant Wholesalers
4243	Apparel, Piece Goods, and Notions Merchant Wholesalers
4244	Grocery and Related Product Merchant Wholesalers
4245	Farm Product Raw Material Merchant Wholesalers
4246	Chemical and Allied Products Merchant Wholesalers
4247	Petroleum and Petroleum Products Merchant Wholesalers
4248	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers
4249	Miscellaneous Nondurable Goods Merchant Wholesalers
4413	Automotive Parts, Accessories, and Tire Stores
4442	Lawn and Garden Equipment and Supplies Stores
4881	Support Activities for Air Transportation
4882	Support Activities for Rail Transportation
4883	Support Activities for Water Transportation
4884	Support Activities for Road Transportation
4889	Other Support Activities for Transportation
4921	Couriers and Express Delivery Services
4922	Local Messengers and Local Delivery
4931	Warehousing and Storage
5311	Lessors of Real Estate
5617	Services to Buildings and Dwellings (includes landscaping services, tree removal and tree trimming services)
5621	Waste Collection
5622	Waste Treatment and Disposal
5629	Remediation and Other Waste Management Services
6231	Nursing Care Facilities (Skilled Nursing Facilities)
7211	Traveler Accommodation
8111	Automotive Repair and Maintenance
8113	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
8114	Personal and Household Goods Repair and Maintenance

The AO should use C-Target to find active construction sites to add to their programmed inspection list on any day that the NWS has issued a heat warning or advisory for the local area. (Note that if a project from the C-Target list is inspected, the AO must account for all projects from that list by either inspection or deletion in accordance with CPL 02-00-155). Where OSHA is conducting an inspection for other purposes, a heat-related inspection shall be opened for all hazardous conditions observed in plain view (such as employees or temporary workers in high exposure areas without adequate training, acclimatization or access to water, rest, and shade).

Table 2. Construction industries that are likely to have heat-related hazards.¹

2017 4-Digit NAICS Code	2017 NAICS Industry Sector Title
2361	Residential Building Construction
2362	Nonresidential Building Construction
2371	Utility System Construction
2372	Land Subdivision
2373	Highway, Street, and Bridge Construction
2379	Other Heavy and Civil Engineering Construction
2381	Foundation, Structure, and Building Exterior Contractors
2382	Building Equipment Contractors
2383	Building Finishing Contractors
2389	Other Specialty Trade Contractors

For certain industries not included in ListGen alternative sources may be utilized (*e.g.*, ReferenceUSA). The AO should use local knowledge to add these industries in Table 3 to the inspections list.

Table 3. Industries not included in ListGen or Construction that are likely to have heat-related hazards.

2017 4-Digit NAICS Code	2017 NAICS Industry Sector Title
1112	Vegetable and Melon Farming
1113	Fruit and Tree Nut Farming
2213	Water, Sewage and Other Systems (may be State or local jurisdiction)
4411	Automobile Dealers
4412	Other Motor Vehicle Dealers
4821	Rail Transportation (may be Federal jurisdiction)
4885	Freight Transportation Arrangement
4911	Postal Service
5611	Office Administrative Services
5612	Facilities Support Services
5613 *	Employment Services
5614	Business Support Services
5616	Investigation and Security Services
5619	Other Support Services
6117	Educational Support Services

¹ Construction inspections ([C-Target](#)) should be scheduled from a list of **construction worksites** rather than construction employers, due to the mobility of the construction industry, the transitory nature of construction worksites, and work that frequently involves more than one construction employer on the site.

7225	Restaurants and Other Eating Places
8112	Electronic and Precision Equipment Repair and Maintenance
	National Security and International Affairs (includes Customs and Border
9281	Patrol, and Transportation Security Administration)

** **Note:** Establishments within the Temporary Help Services (NAICS 5613) industry should not be automatically included in the targeting list for programmed inspections. Although this industry has been among the top industries with OSHA enforcement activities related to heat, this has primarily occurred where services occurred at a high-hazard host. Therefore, to effectively address heat-illness hazards for Temporary Help Services, where OSHA is conducting an inspection for other purposes, a heat-related inspection shall be opened for all hazardous conditions observed in plain view (such as, for example, temporary employees working in high exposure areas without adequate training, acclimatization or access to cool water, rest, and shade).*

Sources for injury and illness data:

- A. Bureau of Labor Statistics (BLS) Fatality cases 2015-2019 due to exposure to heat
- B. BLS days away from work cases, incidence rates, and median days away from work 2015-2019 due to exposure to heat
- C. OSHA severe injury reports fatalities and hospitalizations 2018-2020. Hospitalization reports include all employer-reported referrals with Event Title “Exposure to Environmental Heat.” Fatality reports include all fatality investigations with victim type “Fatality-OSHA Covered” and any of the following public page keywords: Heat Stroke, Heat Exhaustion, Heat-Related Illness, High Temperature, Overheated, Heat.
- D. OSHA inspections 2018-Aug 2021, inspections with additional codes, HEATGI, HEATCON, HEATMI, HEATAG, or HOTDAYS
- E. OSHA Hazard Alert Letters and 5a1 violation, 2018-Aug 2021, violations with type “Heat” General Duty Clause keyword.