Environmental Science and Protection Technicians, Including Health (19-4091)

Occupation description: Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.

Employment and Job Openings

	Average employment			Average annual openings		
	2014 estimate	2024 projection	Percent change	Growth	Replacement	Total
Alaska	236	246	4.2	1	10	11
United States	36,200	39,600	9.5	340	1,520	1,860

Job outlook

Alaska: Alaska's employment growth is low with moderate employment opportunities. Read more.

2015 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	22.38	12.93	16.21	20.69	27.05	34.55
Alaska	25.40	18.40	20.12	22.49	30.39	38.67
Anchorage/Mat-Su Area	26.59	17.30	19.86	24.86	32.38	39.01

Labor Force Indicators

2015 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
295	59	20.0	33.2	25.4

2015 Potential Supply

Qualified but working in another occupation	55
Currently employed in a lower paid occupation	19
UI claimants previously working in occupation	36

2015 ALEXsys Employment Data

Number of registrants	281
Number of job position postings	111
Ratio of registrants to job position postings	2.5

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Associate's degree **Work experience:** None **On-the-job training:** None

Training Resources

	Degree
ABC of Alaska (Anchorage)	
Hazwoper Refresher	
OSHA 24-Hour Hazwoper Training Course	

	Degree
Alaska Petroleum Academy (Kenai)	
Cook Inlet Training Standards/24 Hour Hazwoper	
Cook Inlet Training Standards/Hazwoper Refresher	
Hazwoper 24 Hour	
Hazwoper Certificate Bridge 40 Hour	
Hazwoper Refresher	
Petroleum Chemical Health and Safety	
Petroleum Chemical Health and Safety Refresher	

	Degree
Alaska Teamster-Employer Service Training Trust (Anchorage)	
Hazardous Waste Operations and Emergency Response: First Responder	
Hazardous Waste Operations and Emergency Response: HAZWOPER	
Hazardous Waste Operations and Emergency Response: Refresher	
North Slope Training Cooperative	

	Degree
Alaska West Training Center (Fairbanks)	
Hazardous Materials Technician Annual Refresher - ER03	
Hazardous Waste Operations & Emergency Response Annual Refresher - HW04	
Hazardous Waste Operations & Hazardous Materials Technician - ER02	
Hazardous Waste Operations and Emergency Response - HW02	
Hazardous Waste Operations Occasional Site Worker - HW01	
Hazardous Waste Operations Supervisor - HW03	
Highway Emergency Operations - ER07	
Highway Specialist - ER04	
Hydrogen Sulfide - H2S	
On-Scene Incident Commander - ER09	
OSHA2 - OSHA (2-day)	
OSHA4 - OSHA (4-day)	
Petroleum Technician - ER06	

Petroleum Workers Safety and Health - S05	
Railroad Specialist - ER05	
Unescorted Module - NSTC01	

	Degree
Beacon Occupational Health and Safety Services (Anchorage)	
Cook Inlet Training Standards & Industrial Safety (CITS)	Certificate
Hazard Communication (HAZCOM)	
Hazwoper-Site Worker (24 Hour)	
Hazwoper-Site Worker (40 Hour)	Certificate
Hazwoper-Site Worker (8 Hour)	
North Slope Training Cooperative (NSTC) Unescorted with/without H2S	Certificate
Respiratory Protection (NSTC and OSHA Offered)	

	Degree
Center for Employment Education (Anchorage)	
Hazardous Waste Operations and Emergency Response	
Hazardous Waste Operations and Emergency Response First-Responder	
Hazardous Waste Operations and Emergency Response Refresher	

	Degree
Environmental Management Inc (Anchorage)	
Asbestos Abatement Certification	Certificate
Asbestos Abatement Renewal	Certificate
Asbestos Air Monitoring	Certificate
EPA/AHERA Inspector	Certificate
EPA/AHERA Inspector Refresher	Certificate
EPA/AHERA Management Planner	Certificate
EPA/AHERA Management Planner Refresher	Certificate
EPA/AHERA Project Design Refresher	Certificate
EPA/Health and Safety	Certificate
EPA/Lead Renovation, Repair, and Painting	Certificate
Hazardous Materials Transportation Refresher (IATA)	
Hazardous Waste Operations & Emergency Response (24 Hour)	Certificate
Hazardous Waste Operations & Emergency Response Initial (40 Hour)	Certificate
Hazardous Waste Operations & Emergency Response Refresher	Certificate
HAZWOPER Supervisor	Certificate
NSTC 6 PACK & H2S Module	Certificate
RCRA Initial 24 Hours	

	Degree

Ilisagvik College (Barrow)

Industrial Safety, Level 1	Endorsement

Kindred Spirits School of Massage (Fairbanks)

	Degree
ANMA Advanced Practioner	
ANMA Basic Practioner	
ANMA Japanese Hot Stone Massage	
ANMA Practitioner	
ANMA Professional Massage	
Myofascial Ball Alignment Massage	

Northern Industrial Training (Palmer)

	Degree
Hazwoper 24 Hour / 029	
Hazwoper 40 Hour - General Site Worker / 028	
Hazwoper Operations Level 8 Hour / 033	
Hazwoper Refresher 8 Hour / 035	
Health, Safety & Environmental Technician (HSET)/064	
NSTC 2014 ASH Update / 003	
NSTC Confined Space Entry / 004	
NSTC Energy Isolation / 005	
NSTC Fall Protection / 006	
NSTC Hydrogen Sulfide (H2S) Module/002	
NSTC Respiratory Protection /007	
NSTC Unescorted/001	
PEC Premier Basic Orientation / 051	
PEC Premier Core Compliance / 052	

Satori Group Inc (Anchorage)

	Degree
AHERA Building Inspector Initial	Certificate
AHERA Building Inspector Refresher	Certificate
Asbestos Awareness	Certificate
Asbestos Contractor/Supervisor Initial	Certificate
Asbestos Contractor/Supervisor Refresher	Certificate
Asbestos Contractor/Supervisor Refresher – Online	Certificate
Asbestos Project Designer Initial	Certificate
Asbestos Project Designer Refresher	Certificate
Hazard Communication	
HAZWOPER (Hazardous Waste Operations and Emergency Response) Initial	Certificate

HAZWOPER (Hazardous Waste Operations and Emergency Response) Initial	Certificate
HAZWOPER (Hazardous Waste Operations and Emergency Response) Refresher	Certificate
Lead Awareness	Certificate
Lead-based Paint Renovation Repair Painting	
NIOSH 582	

	Degree
Southwest Alaska Vocational and Education Center (Igiugig)	
Hazwoper, 40 Hour	Certificate
Hazwoper, 8 Hour Refresher	Certificate

	Degree
University of Alaska Anchorage (Anchorage)	
Technology	Bac

	Degree
University of Alaska Anchorage, Kodiak (Kodiak)	
Technology	AAS

	Degree
University of Alaska Fairbanks, Bristol Bay (Dillingham)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Fairbanks, Chukchi (Kotzebue)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Fairbanks, CTC (Fairbanks)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Fairbanks, Interior Alaska (Fairbanks)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Fairbanks, Kuskokwim (Bethel)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Fairbanks, Northwest (Nome)	
Apprenticeship Technology	AAS

	Degree
University of Alaska Southeast, Juneau (Juneau)	
Apprenticeship Technology	AAS

	Degree
University of Alaska, Mining and Petroleum Training Service (Soldotna)	
Hazwoper 24 Hour	
Hazwoper 40 Hour	
Hazwoper 8 Hour	
North Slope Training Consortium (NTSC)	

	Degree
VIP Alaska (Kenai)	
Environmental Emergencies	

	Degree
Vocational Training and Resource Center (Juneau)	
Hazwoper Refresher	Certificate
Hazwoper, 40 Hour	Certificate

	Degree
Zender Environmental Health & Research Group (Anchorage)	
Rural Alaska Community Environmental Job Training (RACEJT) Program	Certificate

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