**Name: Samantha Castle Date of Last Update: 7/9/2025**

**Job Title: Forensic Scientist II**

**Indicate all disciplines in which you currently perform testing or calibration work:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Seized Drugs** |  |  | **Blood Alcohol (Toxicology – Testing)** |
|  | **Biology** |  |  | **Firearms/Toolmarks** |
|  | **Latent Prints (Friction Ridge)** |  |  | **Crime Scene** |
|  | **Breath Alcohol (Toxicology - Calibration)** |  |  | **Impressions (Footwear)** |

**For each discipline checked in the table above, list all categories in which you perform work:**

|  |
| --- |
| Firearm and Toolmark, Latent Print Processing |

**Education:** List all higher academic institutions attended (list high school only if no college degree has been attained)**.**

|  |  |  |  |
| --- | --- | --- | --- |
| Institution | Dates Attended | Major | Degree Completed |
| Northern Arizona University | August 2012 – May 2015 | Biology | Bachelor of Science |

**Continuing Education:**  List formal coursework, conferences, workshops, in-service and other training received applicable to past and current forensic related positions.

|  |  |  |
| --- | --- | --- |
| Course Title | Source of Training | Date(s) of Training |
| Non-Destructive Recovery of Obliterated Marks | Association of Firearm and Tool Mark Examiners – Bailey Henwood | May 2024 |
| Springfield Armory Saint Armorer’s Course | Team One – Gary Monreal | May 2024 |
| Gunshot Residue Distance Determination: Total Nitrite Visualization | Association of Firearm and Tool Mark Examiners – Sydney Rednour | May 2024 |
| The Terminal Ballistics of Sheet Metal | Association of Firearm and Tool Mark Examiners – Mike Haag | May 2024 |
| 2024 Association of Firearm and Tool Mark Examiners Annual Training Seminar | Association of Firearm and Tool Mark Examiners | May 2024 |
| Conversion Diversion | Association of Firearm and Tool Mark Examiners – Kristen Schaefer | May 2023 |
| Smith & Wesson M&P Pistol Armorer’s Course | Team One – Gary Monreal | May 2023 |
| Practical Reloading Seminar | Association of Firearm and Tool Mark Examiners – Skip Richardson | May 2023 |
| How to Confidently Present Your Expertise to the Public | Fearless Presentations – Doug Staneart | May 2023 |
| Class Characteristics of Toolmarks in Bone and Cartilage | Association of Firearm and Tool Mark Examiners – Brian Smelser | May 2023 |
| 2023 Association of Firearm and Tool Mark Examiners Annual Training Seminar | Association of Firearm and Tool Mark Examiners | May 2023 |
| Integrated Ballistics Identification System Data Acquisition & Triage | Bureau of Alcohol, Tobacco, Firearms, and Explosives | April 2023 |
| National Firearms Examiner Academy, Phase IV | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Sept 2022 |
| National Firearms Examiner Academy, Phase III | Bureau of Alcohol, Tobacco, Firearms, and Explosives | May – Sept 2022 |
| National Firearms Examiner Academy, Phase II | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Jan – May 2022 |
| National Firearms Examiner Academy, Phase I | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Oct 2021 – Jan 2022 |
| Latent Print Processing Training | Alaska Scientific Crime Detection Laboratory | April – June 2021 |
| Advanced Crime Scene Processing | Alaska Scientific Crime Detection Laboratory | April 2021 |
| Crime Scene Processing | Alaska Scientific Crime Detection Laboratory | April 2021 |

**Testimony:** Complete the information below for testimony provided.

|  |  |  |
| --- | --- | --- |
| Discipline or Category of Testimony | Period of Time in Which Testimony Occurred | Approximate Number of Times Testified |
| Firearm and Toolmark | 2024 to present | 2 |

**Professional Affiliations:** List professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

|  |  |  |
| --- | --- | --- |
| Organization | Period of Membership | Offices or Positions Held/Dates |
| Association of Firearm and Tool Mark Examiners | May 2023 – Present | Provisional Member |

**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. **List current position first.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Forensic Scientist II | **Tenure** | May 2022 – Present |
| **Employer** | Alaska Department of Public Safety, Scientific Crime Detection Laboratory | | |
| Provide a brief description of principal duties: | | | |
| Firearm and toolmark examination, muzzle-to-target distance determination, serial number restoration, latent print processing, evidence intake and handling, report writing, testimony | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Forensic Scientist I | **Tenure** | April 2021 – May 2022 |
| **Employer** | Alaska Department of Public Safety, Scientific Crime Detection Laboratory | | |
| Provide a brief description of principal duties: | | | |
| Firearm and toolmark analyst trainee, latent print processing, evidence intake and handling, report writing | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Environmental Program Specialist | **Tenure** | May 2018 – April 2021 |
| **Employer** | Alaska Department of Environmental Conservation | | |
| Provide a brief description of principal duties: | | | |
| Within the Spill Prevention and Response, Contaminated Sites Program - Review technical work plans and reports for scientific accuracy and compliance with state regulations, assess potential impacts to human health and the environment, make recommendations for future work, conduct periodic site inspections | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Environmental Program Technician | **Tenure** | November 2016 – May 2018 |
| **Employer** | Alaska Department of Environmental Conservation | | |
| Provide a brief description of principal duties: | | | |
| Within the Spill Prevention and Response, Contaminated Sites Program - Review technical work plans and reports for scientific accuracy and compliance with state regulations, assess potential impacts to human health and the environment, make recommendations for future work, assist project managers with complex sites/projects, respond to records requests | | | |

**Other Qualifications:** List below all personal certifications identifying the issuing organization and the dates; all scientific publications and/or presentations you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualifications.

|  |
| --- |
| **Manufacturing Tours:**  Charter Arms May 2022  Colt Manufacturing LLC May 2022  Connecticut Shotgun Manufacturing Company May 2022  Drill Masters Eldorado Tool May 2022  Fiocchi Ammunition March 2022  Lyman Products Corporation May 2022  O.F. Mossberg and Sons May 2022  Remington Ammunition March 2022  Rosco Manufacturing May 2022  Savage Arms May 2022  Sig Sauer Ammunition March 2022  Sig Sauer Inc. May 2022  Smith and Wesson May 2022  Thompson Investment Casting May 2022  Yankee Hill Machine Co. May 2022 |