1. Analyzed and interpreted data, schematics and manuals to determine specifications, inspection and testing procedures, adjustments and certifications of instruments required.
2. Created radiographic images to detect flaws in objects while leaving objects intact.
3. Used [Type] and [Type] radiographic techniques to produce images of objects on film.
4. Performed liquid dye penetrant tests on piping and vessels to inspect for discontinuities and cracks.
5. Used thermal and infrared testing to identify defects in concrete and other building materials.
6. Used radio astronomy, voltage and amperage measurements to evaluate material properties.
7. Visually examined materials, structures and components for signs of corrosion, metal fatigue and cracks.
8. Evaluated and reported inner structure and flaws by preparing scaled diagrams pinpointing defects.
9. Used [Software] to document non-destructive testing methods, processes and results.
10. Conducted liquid penetrant tests to locate surface cracks by coating objects with fluorescent dyes, cleaning excess penetrants and applying developers.
11. Calibrated and maintained over [Number] pieces of sensitive non-destructive testing equipment.
12. Used sonic measurements to map presence of imperfections within objects.
13. Utilized auditing and surveillance techniques to maintain watchful eye on contractors performing non-destructive examinations.
14. Identified defects in concrete or other building materials using thermal or infrared testing.
15. Selected, calibrated, or operated equipment used in non-destructive testing of products or materials.
16. Conducted regular inspections of machinery to identify and remedy mechanical concerns.
17. Assessed testing processes on continuous basis to verify compliance with federal safety regulations.
18. Managed successful teams of employees and contractors on projects of all sizes.
19. Studied project instructions and specifications, asking questions and addressing concerns before testing began.
20. Prepared reports on non-destructive testing results.