| Acronym | System Name | System Description |
|---|---|---|
| ABSORBENT | Absorbent Calculator | The Absorbent Calculator is used to estimate the amount of superabsorbent material for various waste packages with various waste types at various moisture conditions. The estimate uses general bulk waste unit weights from UCOR-4166, waste packaging specialists' experience and manufacturer published product performance information. The result is a suggested amount of superabsorbent material to be added to a container in accordance the Waste Packaging Specialist and procedural direction. One of |
| ACL | ACL Data Extraction and Analysis | Extraction, correlation, and analysis of data in large "flat" files (i.e., financial records, listings, etc.). Internal Audit uses this software to identify anomalies, make comparisons, and identify patterns in large data files for further review during our audits. |
| ACUMEN | Deltek Acumen Fuse | Acumen Fuse is a schedule diagnostics tool that pinpoints and resolves shortcomings in schedules. |
| ADAT | Automated Data Assessment Tool | ADAT is a utility application used by the Sample Management Office to automate the data assessment process for non-radiological sample results. ADAT imports electronic data from PEMS via a data warehouse in SQL Server that is updated once per day. ADAT assembles the data in a sortable assessment form. The user then assigns their validation qualifier and comment code. At the end of the process, reports are generated and the |
| ALOHA | Areal Locations of Hazardous Atmospheres | The Areal Locations of Hazardous Atmospheres (ALOHA) is an atmospheric dispersion model maintained by the Hazardous Materials Division of National Oceanic and Atmospheric Administration (NOAA). ALOHA is used primarily for the evaluations of the consequences of atmospheric releases of chemical species. In addition to safety analysis applications in the Department of Energy (DOE) Complex, ALOHA may be applied for |
| AnalyticalDP | Analytical Data Processing | Microsoft Excel workbook containing spreadsheets used to calculate: TRU Waste content, analytical data normalization, RCRC regulatory exceedances, and PCB exceedances |
| ARCGIS | ArcGIS | ArcGIS is a GIS systems for working with maps and geographical information. It is used for creating maps, compiling geographic data, analyzing mapped information, sharing and discovering geographic information, using maps and geographic information in a range of applications, and managing geographic information in a database. The system provides an infrastructure for making maps and geographic information available throughout |
| ASP | Access Security Plan | The Access Security Plan (ASP) program was established to allow properly escorted, uncleared personnel to work in limited areas at ETTP. The ASP program provides documentation that uncleared personnel have been authorized by the site Security organization to access the limited area and provides visible evidence to cleared personnel in the limited area that uncleared personnel are present. |
| ATS | Alarm Tracking System | Create and maintain a log of non-scheduled alarms, out of service alarms and compensatory measures. |
| BLPE | Building Lightning Protection Evaluation | Building lightning protection evaluation using an Excel spreadsheet, per National Fire Protection Association (NFPA) 780, "Standard for the Installation of Lightning Protection Systems." |
| CB | Oracle Crystal Ball | COTS product from Oracle used extensively throughout DOE, DOD and the commercial world for the calculation of cost and schedule impacts using probabilistic modeling and sampling. Used as is to process probablististic risk data (cost & schedule) to establish confidence level to impact relationships. Output is used to provide financila estimates of cost and schedule contingencies at given confidence levels. |
| Cherwell | Cherwell Service Management | Information Technology (IT) service management tool that enables IT teams to implement, automate and modernize service and support processes for Incident Management, Request Management, Change Management, Problem Management and Asset Management based upon the Information Technology Infrastructure Library (ITIL) practices. |
| CICO | Release of Information | The system consists of a Microsoft Excel spreadsheet for inputting of data and for generating reports. The spreadsheet includes records of normal classification reviews and records of release of information. |
| CIDMS | Criticality Incredible Data Management System | The Criticality Incredible Data Management System (CIDMS) is a database application that creates a data model for K-25 and K-27 Building (and other facilities undergoing D&D) components that have been subjected to or potentially subjected to process gas (i.e., may contain significant deposits of uranium or other environmental contaminants). This application will provide a means of organizing and managing evidence documents and |
| CORITY | Cority | Medical record keeping and Industrial Hygiene surveys and exposure records. |
| CMMS | Computerized Maintenance Management System | Software that provides asset/equipment management, preventive maintenance, work orders management, inventory control, and predictive maintenance. Documents historical corrective and preventative maintenance activities. |
| CSD | Compliance Survey Database | CSD is a Microsoft Access database program used to track due dates for Radiological Protection routine surveys at ETTP, ORNL & Y-12. The application also maintains the listing of all long term radiological posted areas even when surveys are not required. The program does not perform calculations. |
| CSM | Confined Space Module | Site wide inventory of permit-required and non-permit required confined space. |
| CWMC | Contact Water Management Checklist | Contact Water Management Checklist is used at EMWMF to determine if the water can be released to the Sediment Basin or if it needs to be transported for offsite treatment. |
| DAQMaster | DAQMaster | MW100 DAQMaster is a JavaScript flashable configurable firmware and software from Yokogawa that processes signals from an analog to digital converter and performs math functions on the signals, i.e., scaling and/or units conversion, to produce values understandable to a human user. DAQMaster is a component of the FTIR-DAQ. FTIR-DAQ is a UCOR in-house custom development upgrade to an existing MSRE system including new |
| DAQSTANDARD | DAQSTANDARD | DAQSTANDARD processes signals from an analog to digital converter and performs math functions on the signals, i.e., scaling and/or units conversion, to produce values understandable to a human user. DAQSTANDARD is a component of the FTIR-DAQ. FTIR-DAQ is a UCOR in-house custom development upgrade to an existing MSRE system including new hardware and software. FTIR-DAQ is composed of both custom developed and |
| DMS | Dosimetry Management System | Stores demographic information for employees, nonemployees, and visitors, participant profile information for individuals that participate in the external and internal dosimetry programs. For external dosimetry, it is used to issue dosimeters, store external dosimetry results and generates reports. For internal dosimetry, it schedules appointments and generates appointment notices, stores In Vivo and Vitro results and generates |
| DNRS | Document Number Request System | Integrates with SharePoint to provide a form used for automatically requesting a document number from the Document Management Center (DMC). Once the user fills out the form, an email is generated to the DMC notifying them of the request with all required information. Upon assignment of a document number, an email is generated and sent back to the requestor notifying them of the assigned number. |
| EarthVision | EarthVison | 3-D tool used to generate visualization of environmental data of various forms. Used as input to UCOR and DOE documents |
| EB | Exercise Builder | Exercise Builder is an automated, Windows-based application used for planning, designing and developing emergency preparedness drills and exercises. |
| EDMS | Electronic Document Management System | The EDMS (Documentum) supports the creation, revision, assembly, tracking, and record retention of electronic and hardcopy versions of UCOR documents. EDMS meets DOE-specific records management requirements and addresses document tracking, dual storage, standard and controlled distribution, and CERCLA requirements related to the Administrative Record. EDMS captures all correspondence from the DOE, EPA and TDEC and |
| ELOG | PSS Electronic Logbook | PSS Electronic Logbook is an interactive Web application that tracks and stores electronic logs for the PSS Department. Authorized users can create new electronic logs for a PSS Shift and add journal entries to that log. |

| Code | Name | Description |
|---|---|---|
| ELOGGER | eLogger | eLogger software will be used for maintaining an electronic logbook by Facility Managers per PROC-FO-515, Facility Management to document daily records of significant operations, events, occurrences, assignments, etc. in lieu of using a manual logbook. Additional referenced procedure requirements include PROC-FO-2000 and PROC-os-1001. |
| EPICODE-NFS | Emergency Prediction Information code | EPIcode provides emergency response personnel, emergency planners and health and safety professionals with a software tool to aid in evaluating the atmospheric release of toxic substances. |
| ESACS | ETTP Security Access Control System | ETTP Security Access Control (Badge Reader) System for UCOR controlled areas at ETTP. ESACS provides access controls into limited and other security areas controlled by UCOR and UCOR subcontractors to ensure that only authorized personnel are granted unescorted access into those areas. Replaced Security Management Control System at ETTP. |
| EST3-2660 | EST3 Fire Alarm Software and FireWorks | Used in a fire alarm control panel protecting office building 2660. Software is UL 864 listed for commercial fire alarm systems. Installed, managed and monitored by UT-Battelle. UCOR will purchase the s/w as part of the listed fire control panel and will control any further site specific device upgrades via the configuration management program. Fireworks is the graphical command interface used at the monitoring point. |
| EVO View | EVO View HL7/Dicom Broker | Software creates digital image of X-Rays. The software is considered Sensitive because it will include Personally Identifiable Information (PII) for patients subject to medical X-Rays by UCOR Medical staff. |
| ExhibitL | Exhibit L | For subcontracts awarded by UCOR incorporating Exhibit L Mandatory CONTRACTOR Procedures, UCOR will maintain Exhibit L Appendix L-1 at this website. |
| EZQUANT | EZ-Quant Statistical Analysis Software | System consisting of 3 applications: statistical sampling, regression analysis and improvement curves used to select and evaluate audit samples of financial transactions |
| FATCAT | Facility Acceptance Testing-Container AnalysisTool | FATCAT is designed to maintain the facility categorization sum-of-fraction calculations using data from the EMWASTE database for facilities at East Tennessee Technology Park (ETTP) and the Oak Ridge National Laboratory. DB6 resides on a virtual server. |
| FITPLUS | FitMaster II | Designed to control the fit test equipment used in respirator fit testing and manage the data generated. It ensures the fit test is performed in accordance with respiratory standards published in OSHA and guidelines provided by ANSI. The system also helps the managers with various data management functions which include maintaining reference data, reports, and archiving old data. Includes both COTS Fitmaster 4 and custom |
| FMCS | Facility Managers Contact System | Maintains information on all ETTP (UCOR)-managed facilities at ORNL and ETTP managed surveillance and maintenance (S&M) facilities at Y-12, including Facility Manager and Backup Manager contact information, DOE Facility Representative Assignment, Categorization, Classification, etc. DB name FMCS |
| FSS | Failed sample Spreadsheets ETTP & ORNL | Excel spreadsheet application developed as a tool to track the status of failed bioassay samples. Spreadsheet does not perform any calculations or generate any records. |
| FTIR-DAQ | FTIR-DAQ Application Software | FTIR-DAQ is a UCOR in-house custom development upgrade to an existing system including new hardware and software. FTIR-DAQ is composed of both custom developed and software configurations. FTIR-DAQ software provides help to RGRS Operators in making decision that help protect workers and the public from exposure to hazardous gases such as fluorine and reactive and radioactive fluorides. MSRE software. |
| FTSW100 | FTSW100 Suite | FTSW100 processes signals from a spectrometer and performs math functions on the signals, i.e., scaling and/or correction for specific gas characteristics. FTSW100 is a component of the FTIR-DAQ. FTIR-DAQ is a UCOR in-house custom development upgrade to an existing MSRE system including new hardware and software. FTIR-DAQ is composed of both custom developed and software configurations. FTIR-DAQ software provides |
| GPOS-EP | GPS Pathfinder Office for Environmental Projects | Desktop software for downloading coordinate data from handheld GPS unit. Software performs post-processing of data for better accuracy and is transferred to PEMS |
| GPOS-RP | GPS Pathfinder Office | COTS software designed to develop accurate geographic information systems (GIS) information from the global navigation satellite system (GNSS) data collected in the field. Radiation Protection (RP) utilizes this capability to match radiation measurements to GIS such that large area surveys can be compiled by overlay of positional identified radiation information on scale maps, aerial photos, or similar 2-dimensional |
| HELP | Hydrologic Evaluation of Landfill Performance | HELP is a commercially available computer program used by Jacobs Engineering at one of their site offices as a tool to support performance assessment modeling of the Environmental Management Disposal Facility (EMDF). |
| HIRSCH | HIRSCH Security Alarm System | To monitor, detect and assess unauthorized intrusion into limited areas and other designated security areas at ETTP for UCOR and other areas/facilities at or near ETTP for other DOE prime contractors |
| HMIS | Hazardous Material Information System | This multi-company system maintains hazardous material inventories for internal uses as well as for federal reporting requirements. It is an official repository for Material Safety Data Sheets (MSDS). |
| HOTSPOT-NFS | HOTSPOT - Nuclear Facility Safety | The HotSpot Health Physics code provides a fast, field-portable set of software tools for evaluating incidents involving radioactive material. The software is also used for safety analyses and emergency planning Hazards Surveys and Assessments of facilities handling nuclear material. The code supports selection of initial protective actions in emergency events involving the release of radioactive material in quantities of concern. The |
| ICP-MS Conversion Spreadsheet | Inductively Coupled Plasma-Mass Spectroscopy Conv | Extract bioassay analysis results from BDMS into spreadsheet. Spreadsheet is used to calculate volume correction and ratio of results to estimate U-234 and sum of uranium. Used in association with procedures: PROC-RP-4512, Internal Dosimetry; UCOR-4100, Internal Dosimetry Technical Basis Document; PROC-RP-4569, Review of In-Vitro Results |
| IMBA | Integrated Modules for Bioassay Assessment | Used to calculate radioactive material intakes and personnel radiation doses based on in-vitro bioassay sample results or in-vivo analyses. Personnel doses become part of official personnel dose records and are maintained as required by 10 CFR 835. |
| INMAGIC | InMagic CS text Works | The database tracking system for the Administrative Record. |
| ISMS_POMC | ISMS Performance Objectives, Measures and Commitme | The ISMS POMCs monthly report is a series of twenty five (25) individual Excel worksheets contained in a workbook. Two of the 25 (#13 Management Field Presence & #18 Monthly Safety Focus Meeting Attendance) are created using data from supporting Excel worksheets. |
| LANMAS | Local Area Network Materials Accounting System | Contains unclassified information for accountable nuclear materials under UCOR purview at the Oak Ridge sites (East Tennessee Technology Park, Oak Ridge National Laboratory, and the Y-12 National Security Complex) as required by DOE Order O 474.1A. Current version is 3.3a |
| LDSLR | LDS Leakage Rate Calculation and Tracking | Application developed for the purpose of calculating and tracking for the EMWMF Leak Detection System (LDS) leakage rates for Cells 1-6. Calculates the the weekly average leakage rate for each cell and compares the values to the current Action Leakage Rate (ALR) accepted by State and Federal Regulators. |
| LEARN | | |
| LESSONS | Lessons Learned System | This application automates the program for utilizing positive and negative operating experiences, i.e. Lessons Learned, which may be applicable to UCOR organizations. |
| LGWO-ABB | LGWO ABB Symphony Distributed Control System | Distributed control system (DCS) software to monitor and operate LGWO waste treatment and storage facilities. There are no safety significant systems or defense in depth items associated with this software or the monitoring functions performed by it. The software is used to operate field ABB equipment as well as various third party PLCs. LGWO facilities are designed to be operated locally even in the event of a complete DCS |

| Acronym | Name | Description |
|---|---|---|
| LGWO-DMS | LGWO Document Management System | Microsoft Access database used to located and retrieve documentation associated with LGWO activities including operating procedures, facility drawings, safety basis documentation and vendor literature |
| LOWTRACK | Low Track | The Low Track software application is used by ETTP waste generators to electronically complete the Uniform Low-Level Radioactive Waste Manifest shipping document. This document is required by facilities that receive hazardous waste shipments as governed under Nuclear Regulatory Commission regulations. |
| LUM | Land Use Management | Tracking land use control as required in decision documents. |
| LWIS-G | Low-Level Waste Information System for Generators | A PC-based computer software program that is used to prepare the waste shipment information in a format that is required by NNSS, and also is used to prepare NNSS-required bar code labels. This software is provided free of charge from NNSA/NV and available to disposition projects by contacting the ETTP Helpline or ETTP WCO. Version 10.0 has been validated for use. |
| MCS | Maintenance Control System | MCS is part of Caterpillar's system for equipment management that records repairs and provides maintenance service schedules.The MCS program tracks equipment costs and helps set up an ongoing maintenance and inspection program that shows what to do to prevent breakdowns -- and when to do it. One of the application used by EMWMF |
| Medgate | Medgate | Medical record keeping and Industrial Hygiene surveys and exposure records. Web-based COTS application that serves the medical professionals at ETTP. Provides an integrated, secure, highly interactive method for supporting the Occupational Health at ETTP Health Services, including scheduling appointments, tracking visits, recording laboratory test results, maintaining a medical history, documenting provider information, and |
| MICROSHIELD-ADAMS | Microshield-Adams | To perform dose rate and radioactivity estimation calculations |
| MICROSHIELD-RADCON | Microshield RADCON MPL | To perform dose rate and activity estimation caluclations. Version 9.05 |
| MICROSHIELD-TOLER | Microshield - Toler | Provide characterization analysis of nuclide data |
| MICROSHIELD-WILSON | Microshield-Wilson | Microshield is a program used to calculate decay of isotopes, chain members and quantities, and internal and external dose. It employs point kernel integration and buildup factors to estimate dose rates for a variety of source and shielding geometries. |
| MILESTONES | Milestones Professional 2008 | Milestones Professional combines powerful project scheduling and tracking capabilities with ease-of-use. Quickly create presentation-ready schedules using the familiar click-drag-and-drop method. Extensively customize your chart with a wide array of symbols and connectors. Powerful features allow you to manage large projects, track figures, show results, and publish to the Internet. Convert database information from |
| NFSDTD | Nuclear Facility Safety Document Tracking Database | NOTE: The USQDTD acronym was changed to NFSDTD with release of version 1.03.0002. The Unreviewed Safety Question Determination (USQD) Tracking Database provides status and location of Nuclear Facility Safety (NFS) documents. NFS documents provide information to assist in implementing Title 10 Code of Federal Regulations (CFR) Section 830.203, "USQ Process," of the Nuclear Safety Mgmt. Rules for Cat. 1, 2, and 3 |
| NRS | Special/Non-Routine Spreadsheet | Excel spreadsheet application developed as a tool to track the status of special and non-routine bioassay samples. The spreadsheet does no perform any calculations or generate any reports. Used in association with procedures: PROC-RP-4512, Internal Dosimetry; UCOR-4100, Internal Dosimetry Technical Basis Document; PROC-RP-4521, Radiological Accidents and Emergencies |
| OLWR | ORR Landfill Waste Receipts | Database used for recording waste receipt information at the ORR Landfills |
| OREIS | Oak Ridge Environmental Information System | OREIS is a centralized, standardized, quality-assured, and configuration-controlled environmental data management system. It is comprised of hardware, commercial software, customized integration software, the OREIS Environmental Measurements Data Base, the OREIS Geographic Data Base, and documentation. OREIS fulfills the environmental information management obligations of the Department of Energy-Oak Ridge |
| PEPPER | Performance Evaluation Program Electronic Record | PEPPER is a utility application used by the SMO to automate the Performance Evaulation Program. PEPPER is an Excel Template with protected formulas and dynamic charting capabilities. |
| PERTMASTER | Primavera Risk Analysis | Used to perform schedule risk analysis |
| PROC | Procedures Tracking Database | This application tracks the number, title, revision number, owners, and dates of current procedure and form revisions. This database is connected to the intranet and provides the search information when someone searches for a procedure or form. |
| PROTRAC | PROTRAC Automated Fire Data Management System | PROTRAC is a data management tool used to document the inspection requirements for a variety of fire and safety equipment. It collects inspection and test results and schedules fire protection system tests and inspections. |
| PROUCL | ProUCL | ProUCL Version 4.0 (ProUCL 4.0) is an upgrade of ProUCL Version 3.0 (EPA, 2004). ProUCL 4.0 contains statistical methods to address various environmental issues for both full data sets without nondetects and for data sets with NDs (also known as left-censored data sets). |
| PS | Positives Spreadsheet | Excel spreadsheet application developed as a tool to track the status of positive bioassay samples. The spreadsheet does not perform any calculations. The spreadsheet generates Form-3079, Dose Assessment Summary Sheet. Used in association with procedures: PROC-RP-4512, Internal Dosimetry; UCOR-4100, Internal Dosimetry Technical Basis Document PROC-RP-4571, Review of In-Vivo Data; PROC-RP-4569, Review of In-Vitro |
| QAS | Quality Assurance System | QAS automates several QA processes that are inter-related and data from one process is often used for multiple purposes (one primary purpose but there may be several secondary applications). These processes include: management assessments, surveillances, independent assessments, supplier evaluations, conditions adverse to quality, nonconformance reports, approved suppliers list, and Suspect/counterfeit items. Many of |
| QND-PB | QND PERT Beta UCL-95 | Project personnel use QND (Quantitative Nominal alpha-criterion level Development) Program Evaluation Review Technique (PERT) Beta UCL-95 (QND PB) to complete Step 13a, SRC UCL-95 (OUTPUT from ProUCL or RA QND PB), in the tab labeled WL L SRC Input of the Waste Acceptance Criteria Forecasting Analysis Capability System (WACFACS) WL SSV Q Worksheet (BJC 2002). QND-PB calculates the 95% upper confidence bound for |
| RAD ASOF | Rad Annual Sum of Fractions for Stormwater Release | Rad Annual Sum of Fractions for Stormwater Release is used at EMWMF to calculate and track the annual sum of fractions for the radiological constituents in the water that is collected and released from the EMWMF as stormwater. |
| RAD_ASOF_ORRLF | Rad Annual Sum of Fractions for ORR Landfill | Calculation Used to Support Determination of ORR Landfill Cumulative Radiological Report for Calendar Year 2015. |
| RADAR | Radiological Automated Data Assessment Review | RADAR is a utility application used by SMO to automate the data assessment process by importing electronic data from the PEMS SDG report and provides a wizard to the user to review the data or enter missing components. RADAR delivers the data with an automated assessment and the user agrees or assigns their own validation qualifier and comment. The qualifiers are uploaded into PEMS. |
| RAIMSLight | Regulatory Agreement Information Management | RAIMS provides information and reports for Resource Conservation and Recovery Act (RCRA) Hazardous and Solid Waste Amendments Act (HSWA) solid waste management units (SWMUs), and CERCLA FFA Appendix C AOCs and FFA Appendix F tanks AOC, Appendix E and tank-related project information. Data has been maintained in this system since 1992. |
| RAIS | Risk Assessment Information System | The Risk Assessment Information System provides via the Internet tools, guidance, risk results, and other information necessary for conducting risk-related activities for the Department of Energy-Oak Ridge Operations. This system has been developed to provide consistent risk information to all staff working on DOE-ORO projects, regardless of organization. In particular, this system provides preliminary remediation goals, toxicity |

| Code | Name | Description |
|---|---|---|
| RDTS | Radiological Field Instrument Response/Daily Test | RDTS is a Microsoft Excel spreadsheet program used to document radiological protection field instrument daily response tests. The sheets perform basic calculations for CPM to DPM conversions, instrument correction factors and background ranges. Printed sheets become record data. |
| RESRAD-RP | RESRAD | RESRAD is a computer model designed to estimate radiation doses and risks from residual radioactive materials. RESRAD has been used widely by DOE including in the derivation of limits published in DOEO 458.1. RESRAD has also been used and/or endorsed for use by the EPA, NRC and US Army Corps of Engineers among other governmental and international organizations. UCOR proposes to utilize this software tool for derivation of alternative does-based contamination limits subject to DOE approval, for u |
| RGRS-LV | RGRS Labview | MSRE COTS software used for development of the FTIR-DAQ application software and for other applications at MSRE |
| RP_G2K-ALPHA | RP Genie2000 Alpha Analysis | Canberra S509 Alpha Analysis V3.3 is Canberra proprietary software that provides the user with spectrum analysis algorithms. The algorithms permit a variable tail component typical of peaks found in alpha spectra. Tentative peak shapes are established during the energy calibration and used during efficiency calibration and peak locate and area calculations. |
| RP_G2K-BATCH | RP Genie2000 Batch Programming Support | Canberra S561 Batch Programming Support V 3.3 is Canberra proprietary software that allows the user to run multiple processes sequentially. |
| RP_G2K-GAMMA | RP Genie2000 Gamma Analysis | Canberra S501 Gamma Analysis V 3.3 is Canberra proprietary software that provides additional analysis tools and reporting options that enhances Basic Spectroscopy V 3.3. These tools include: peak area background subtraction, efficiency correction, nuclide identifications, automatic interference correction, minimum detectable activity and parent/daughter correction. |
| RP_G2k-PEAK | RP Genie2000 Interactive Peak Fit | Canberra S506 Interactive Peak Fit is Canberra proprietary software that allows the user to view the peak analysis results in real time to determine peak significance and to perform adjustmens as necessary. |
| RP_G2K-PROCOUNT | RP Genie2000 PROcount | Canberra S509 PROcount V 3.3 is Canberra proprietary software. PROcount is a counting procedure package for performing routine operations by the use of simple menus and providing fill-in the blank screens. PROcount procedures are provided for system operations, including Routine Sample Assays; Background Counts; Energy and Efficiency; Calibrations; and System quality assurance. |
| RP_G2K-QA | RP Genie2000 Quality Assurance | Canberra S505 Quality Assurance is Canberra proprietary software that allows the user to track the performance of the individual HPGe detectors. The software performs analysis of several parameters including the detector peak FWHM, peak energy and peak area. Utilizing statistical calculations, a range for each parameter is established and subsequent control measures are compared with the established range. |
| RP_G2K-SPEC | RP Genie2000 Basic Spectroscopy | Canberra S500 Basic Spectroscopy is Canberra proprietary software that provides a comprehensive environment for data acquisition, display and analysis of gamma and alpha spectrometry data. It provides independent support for multiple detectors, extensive networking capabilities, an intuitive and interactive human interface and comprehensive batch procedure capabilities |
| RPTprep | CertiStep RPTprep V 4.0 | COTS CBT software for professional development of RPT staff. |
| SAMM | Sample and Analysis Method Mine | SAMM is a utililty application used by the Sample Management Office to automate one part of the data validation forms utilizing Microsoft Excel 2010 and SQL Server 2012. SAMM is separate from the RADAR application but shares the same database and template path. |
| SAMS | Safeguards Management Software | SAMS provides NMMSS (Nuclear Materials Management & Safeguards System) data contributors a method of electronically storing and submitting transaction, inventory, and material balance data. SAMS provides identification of the data which conflicts with DOE and/or NRC rules and regulations so that it can be corrected prior to submittal to NMMSS. Current Version is 8.0 |
| SBVS | Safety Boot Voucher System | Safety Boot Voucher System (SBVS) is a web based application that allows certain users to create a safety boot vouchers for Salaried and Building Trade employees. The purpose of this system is to maintain control of the issuance of boot vouchers to comply with the company's policy. The system will provide searching capability to display all vouchers in the system according to the search criteria. |
| SCALE-NCS | SCALE - Nuclear Criticality Safety | SCALE 4.4a is used by UCOR for performing criticality, source terms, shielding and heat transfer analyses for DOE facilities |
| SCALE-WILSON | Scale-Wilson | Used to calculate burnup and decay of isotopes, ingrowth, chain members and quantities, neutron flux and internal and external dose. It performs reactor physics calculations, criticality safety, radiation shielding and spent fuel characterization for waste disposition and transportation/storage package designs |
| SEALS | Seal Entry Accountability Logging System | The Seal Entry Accountability Logging System (SEALS) is used to track tamper indicating devices (TID) applied to security doors, fence gates, and other features housing classified matter; other items of security interest; or controlled areas. The system provides an electronic method of tracking the seals when applied and upon removal. The system is operated by NSPS Central Alarm Station (CAS) personnel. |
| SERS | Survey Entry and Reporting System | By regulation all results of surveys performed (areas, equipment, personnel, etc.) are required to be maintained. This database allows a radiological control technician to enter the results to include date, location, purpose of survey, instruments used, and actions taken based on the results of the survey. Pen-based computers are utilized so that technicians can enter data in the field and download at a later time into the system. Any record can then be easily retrieved for future reference by a |
| Shipment Verification | Shipment Verification | Excel spreadsheet used to compare two barcode numbers for shipments |
| SKM PTW | SKM Powertool for Windows | Used to calculate arc flash hazard levels and for arc flash labeling for electrical equipment within ETTP. Current Version 7.0.4.9 and 8.0.1.7 |
| SOW_X | SOW Matching Utility | SOW_X is a utility application used by the SMO to automatically compare the data delivered by labs to the UCOR SOW Specifications. Reports are delivered in one Excel workbook detail the items that match as well as the items that do not from each category. These reports ensure that UCOR receives all the data results requested and that no data beyond what is requested is loaded or billed. |
| SP | Supplier Portal | Allows external vendors to register with UCOR |
| STE | Sage Timberline Estimating | Software package to prepare estimates used by UCOR |
| STOMP | Subsurface Transport Over Multiple Phases | Computer model designed to be a general-purpose toll for simulating subsurface flow and transport that compliments other analytical capabilities developed by Pacific Northwest National Laboratory's Hydrology Group. |
| TEAMMATE | TeamMate | Internal Audit Server Based Audit Work paper Application |
| TF | Training Forms | Allow Training Forms to be processed electronically. |
| TF1800 | Tank F-1800 Inventory Tracking Spreadsheet | Excel spreadsheet to track the inventory of radionuclide in tank F-1800 at building 7966. The tank has a material at risk limit of 20,000 curies of Sr-90 equivalents. LGWO application. |
| TH5 | Toolhound 5 | Toolhound is a tool and equipment management system that allows construction, maintenance and repair organizations to gain control of their tools, equipment, parts and consumables inventory using a comprehensive asset, location and employee database, coupled with a transaction system. |
| TOOLHOUND-WEB | Toolhound Onsite | Web-based version of Toolhound. ToolHound is a tool and equipment management system that allows construction, maintenance and repair organizations to gain control of their tools, equipment, parts and consumables inventory using a comprehensive asset, location and employee database, coupled with a simple and accurate bar code identification and transaction system. |
| TORC | Transform Oak Ridge Coordinates | This program was written to provide a comprehensive, user-friendly package to convert Oak Ridge based geographic files from one grid system to another. Several file formats, e.g. Fixed field, dBase, DXF, etc., are supported, and all the commonly used Oak Ridge grid systems can be selected. It was developed by the Geographic Information Science and Technology Group of the Computational Physics and Engineering Division, ORNL |
| TQRC | Threshold Quantity Requirements Compliance | TQRC identifies and provides configuration control to the container list that can be taken into the staging area on a given day. The report specifies any unique processing requirements that ensures compliance to the facility or staging area TQ requirements. TQRC is used for operations and shipment planning so that the facility TQ requirements are not exceeded during processing or shipping operations. |
| TSANE | TSR Surveillance Automatic Notification Using Exce | A TSANE master schedule is maintained in Excel and used for tracking with a macro that sends notifications for the various K1065 and ORNL Waste Disposition Operations TSR surveillances being tracked. TSANE is used to send backup (not primary) email reminder notification of upcoming TSR surveillances. |
| TSPS-EP | Terrasync Professional for Environmental Projects | Use on the Trimble Geo7X handheld GPS unit to record data of sampling locations. |
| TSPS-RP | TerraSync Professional Software | COTS software tool that performs data collection and maintenance to support field collection/compilation of global navigation satellite system (GNSS) location data. Correlates this GNSS location data in real-time to secondary data input signal (radiation measurements in our application). |

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| TSR SMP Matrix | Tech Safety Reqmnts/Safety Mgmt Pgm Compliance Matrix | The TSR/SMP Matrix is a guide containing aspects of the DOE-approved safety basis documents for Hazard Category 2 and 3 Nuclear Facilities. The TSR/SMP Matrix includes controls, directed changes by DOE, design features and the current approved safety basis documents for UCOR's nuclear facilities. The matrix may be used as an additional check when conducting USQDs to ensure the SMP commitments for the facility(ies) have been considered. The matrix repeats information as approved by DOE and does |
| USIDB | UCOR Source Inventory Data Base | Source inventory data base used to generate reports and updated, item-specific forms, which are then filled with the item's permanent record. |
| VARSKIN | VARSKIN 4 | VARSKIN is a computer code for calculating the radiation dose (gamma and beta) to skin from radioactive contamination of skin and/or protective clothing. Most recent and primary documentation is NUREG/CR-6918, Rev. 1, VARSKIN4 : A Computer Code for Skin Contamination Dosimetry, US NRC, June 2011. RP uses the application as one method of assessing skin dose in the unlikely event of a significant skin contamination occurence involving a UCOR radiation worker. |
| VVRF | Visitor/Vehicle Request Form | Visitor Request Form |
| WACFACS | Waste Acc. Criteria Forecasting Analysis Cap. Syst | The Waste Acceptance Criteria Forecasting Analysis Capability System (WACFACS)supports Environmental Management Waste Management Facility (EMWMF) Analytical Waste Acceptance Criteria (WAC) Data Quality Objective (DQO) decisions. All projects that intend on waste disposition at the EMWMF must meet these DQO. In order to accomplish this, a project may send one or more waste lots to EMWMF. WACFACS is the tool used to confirm a project waste lot(s) meets the analytic criteria of DOE/OR/01-1909&D3 |
| WebAir | WebAir | WebAir is an application that calculates radioactive air concentrations from data uploaded or entered from sample counters. It maintains the data in a database. WebAir also allows the input/maintenance of Radiological Work Permits (RWP). |
| WGF2 | Waste Generation Forecast II | The Waste Generation Forecast II system maintains the lifecycle forecast of waste from projects funded by the DOE Environmental Management (EM) Program on the Oak Ridge Reservation. This information supports near- and long-term planning for treatment, storage, and disposal of the waste. |
| WSCW | Water Sample Calculation Worksheet | The Excel Spreadsheet Form-2512: Water Sample Calculation Worksheet is an identical form to the current Form-2512 from Radiological Procedure PROC-RP-4552: Water Sample Analysis. Currently, the users of Form-2512 must perform the calculations by hand. However, the Excel Spreadsheet performs the calculations for Background Count Rate, Critical Level, Minimum Detectable Concentration, Gross Sample Count Rate, and Sample Activity Concentration after several factors have been entered into the form. |

| Indirect IAS | Acronym | System Name | System Description |
|---|---|---|---|
| y - pcs? | COBRA | Deltek Cobra | EVMS management and reporting application. |
| y - psc? | P6 | Primavera Project Manager | Application is used to create and maintain Baseline and Forecast project schedules. |
| y -ccm | PCS | Project Control system | Manages both the process of approving work charge authorizations, and distributing those authorizations. |
| y - tracker | PEMS | Project Environmental Measurements | Provides organization, integrity, security, traceability, and consistency of the environmental measurements data generated during a project life cycle. |

| Acronym | System Name | System Description | Business Area |
|---|---|---|---|
| ADP | Automatic Data Processing | Time keeping and payroll services provided by ADP, Inc. | Chief Financial Office |
| APINV | AP Invoice Attachments | Provides a web interface for searching Invoice records contained in Oracle Financials. | Finance |
| AM | Approval Matrix | | |
| CCM | Charge Code Memorandum | Provides the mechanism for organizations to submit charge codes for review and approval. | Finance and Accounting |
| ETTP-DW | ETTP Data Warehouse | The ETTP Data Warehouse accepts data from a variety of sources and integrates the results into a managed environment. | CFO/Business Operations |
| PPS | Puridiom Procurement System | Web-based application used for requesting and procuring goods and services. | Supply Chain Management |
| PRISM | Property Information System | PRISM is an application for tracking accountable and capital property. | Property Management |
| STAR | Subcontract Tracking and Report | Provides Subcontract Coordinators (SCCs) with a standard, simple and accurate method of collecting and reporting subcontract performance and progress information. | Project Services and Support |
| TRACKER | Tracker | Tracker is the business system used by UCOR for DOE-ORO's Sample Management Office (SMO). It tracks all requests for analytical services. | Environmental Stewardship |