

Safely Working on the SRNS Recovery Act Project



Kole Helvie
ARRA Operations Specialist

3rd US Infantry, The Old Guard



From **PLUTO . . .**



To PLUTONIUM

Pu



94

244.



Plutonium

Take-Away

- *You will have a better understanding of who the ARRA participants are*
- *You will see that you trained us well*
- *You will see that training has paid off*

SRS and the ARRA

- *The ARRA Hired us*
- *You Trained us*
- *You Assimilated us*
- *You United us*
- *Together, **WE** maintain the Standard*

SRS and the ARRA

The ARRA

Hired us

Who are the ARRA team members?

Experienced workers in the Nuclear Industry

People

Workers from **all over** the United States who have worked at many nuclear sites

Locals who have . . .

- Worked at SRS over many years
- Never *who needed* worked at SRS

Graduates straight out of College with **Employment** majors

Professionals **new** to the Nuclear Industry

SRS and the ARRA

You

Trained Us

Training



General Employee Training



Training



Computer-Based Training



Site Training Team

Web-Based Training

Where Excellence is the Standard

Training



Class Room Training



Training



Mock-Up Training



Training



Emergency Drills



Training



Work Observations



Training



Informal Mentoring



My Training History

Course Title	Completion Date	Course Title	Completion Date
INITIAL BULLARD AIRLINE RESPIRATOR	8-Sep-10	CONOPS AND HPI GAME SHOW	1-Jul-10
INITIAL BULLARD AIRLINE RESPIRATOR	8-Sep-10	TIMEOUT DURING PROCEDURE PERFORMANCE	1-Jul-10
CONDUCT OF OPERATIONS: PROCEDURE COMPLIANCE	1-Sep-10	OPERATING LOGS	30-Jun-10
F-CANYON TRU WASTE REMEDIATION OPERATOR/FLM OE	24-Aug-10	ISSUE INVESTIGATION	30-Jun-10
F-CANYON TRU WASTE REMEDIATION OPERATOR/FLM OE	11-Aug-10	SHIFT ROUTINES AND OPERATING PRACTICES	30-Jun-10
F-CANYON TRU WASTE REMEDIATION	10-Aug-10	RECEIPT OF ENCLOSURE DIFFERENTIAL PRESSURE ALARM	30-Jun-10
F-CANYON COMPLEX TRU WASTE SAC CHANGE	4-Aug-10	TRU WASTE DROPPED DRUM	30-Jun-10
BLOODBORNE PATHOGEN ALTERNATE YEAR TRAINING	4-Aug-10	TRU WASTE CONTAINER OPERATIONS INJURY	30-Jun-10
HAZWOPER REFRESHER TRAINING FOR THE 24 HOUR WORKER	27-Jul-10	HEARING CONSERVATION TRAINING	29-Jun-10
F-TRU WASTE REMEDIATION HOLE INDICATOR TOOL PTR	20-Jul-10	LL: GLOVE PUNCTURING INCIDENTS & BEST PRACTICES	28-Jun-10
F-TRU WASTE REMEDIATION HAZARDS AWARENESS	20-Jul-10	CONSOLIDATED ANNUAL TRAINING 2010	24-Jun-10
F-TRU WASTE REMEDIATION HOLE INDICATOR TOOL BR	20-Jul-10	F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	23-Jun-10
INITIAL NEGATIVE PRESSURE RESPIRATOR TRAINING	15-Jul-10	REUSE OF BREATHING AIR HOSES	14-Jun-10
INITIAL NEGATIVE PRESSURE RESPIRATOR TRAINING	15-Jul-10	RCRA TRAINING FOR F-CANYON AND FB-LINE	13-Jun-10
INITIAL PLASTIC SUIT AND HOOD TRAINING	15-Jul-10	RESOURCE CONSERVATION RECOVERY ACT "GEN" TRNG	13-Jun-10
INITIAL PLASTIC SUIT AND HOOD TRAINING	15-Jul-10	AREA EMERGENCY OPERATIONS (AEO) REFRESHER	12-Jun-10
GENERAL SUPERVISOR RESPIRATORY PROTECTION	15-Jul-10	NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS) AND THE	12-Jun-10
GENERAL/SUPERVISOR RESPIRATOR RETRAINING	15-Jul-10	FIRE	12-May-10
BMP/SPCC/STORM WATER BRIEFING	14-Jul-10	TRU WASTER REMEDIATION PTR	19-Apr-10
F-TRU DRUM REPACKAGING ENCLOSURE INVENTORY	12-Jul-10	DRUM REMEDIATION BRIEFING	19-Apr-10
ASBESTOS AWARENESS TRAINING	1-Jul-10	ENCLOSURE ROUGHING FILTER REPLACEMENT	19-Apr-10

My Training History

Course Title	Completion Date
ENCLOSURE GLOVE REPLACEMENT	19-Apr-10
21 IRREFUABLE LAWS SOLID GROUND	11-Mar-10
HPI FROM THE BLUE ANGELS	8-Feb-10
F-CANYON PHASE IIA 2009 SAFETY BASIS DOCUMENTS REV	8-Feb-10
21 IRREFUTABLE LAWS EF HUTTON	4-Feb-10
RP SUPPLEMENTAL TRAINING -- DECEMBER 2009	3-Feb-10
RP MONTHLY SUPPLEMENTAL QUESTIONS -- JANUARY 2010	3-Feb-10
SWM CONOPS/BOARDMANSHIP BRIEFING	2-Feb-10
2S DRILL CAM ALARM RESPONSE	2-Feb-10
2S DRILL COUNT RATE METER ALARM RESPONSE	2-Feb-10
2S DRILL ENCLOSURE DP ALARM RESPONSE	2-Feb-10
F-CANYON PHASE IIA 2009 SAFETY BASIS DOCUMENTS REV	2-Feb-10
F-AREA FACILITIES ENTRY TRAINING	12-Jan-10
21 IRREFUTABLE LAWS NAVIGATION	12-Jan-10
F CANYON TRU WASTE REMEDIATION	6-Jan-10
GLOBEBAG / GLOVEBOX LESSONS LEARNED	28-Dec-09
DECEMBER 2009 QUARTERLY CONOPS FOCUS TRAINING	15-Dec-09
REQUIRED SECURITY TIMEOUT	2-Dec-09
RC SUPPLEMENTAL TRAINING MAY 2008	23-Nov-09
RC SUPPLEMENTAL TRAINING JUNE 2008	23-Nov-09
RP SUPPLEMENTAL TRAINING-- NOVEMBER 2009	23-Nov-09

Course Title	Completion Date
RP SUPPLEMENTAL TRAINING -- JULY 2009 MAT-Y	14-Oct-09
RP SUPPLEMENTAL TRAINING -- AUGUST 2009	14-Oct-09
RP SUPPLEMENTAL TRAINING -- SEPTEMBER 2009	14-Oct-09
RP SUPPLEMENTAL TRAINING -- OCTOBER 2009	14-Oct-09
SAVANNAH RIVER SITE LEAD COMPLIANCE PROGRAM	13-Oct-09
RESOURCE CONSERVATION RECOVERY ACT "GEN" TRNG	13-Oct-09
HAZMAT (INITIAL AND RECURRENT) TRAINING	12-Oct-09
RADIOLOGICAL CONTAINMENTS	8-Oct-09
RADIOLOGICAL CONTAINMENTS	8-Oct-09
21 IRREFUTABLE LAWS OF LEADERSHIP	1-Oct-09
ACP/SWM ANNUAL HEAT STRESS AWARENESS BRIEFING	29-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	23-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	22-Sep-09
HARMFUL PLANTS AND ANIMALS OF SRS	21-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	17-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	16-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	15-Sep-09
RCRA TRAINING FOR F-CANYON AND FB-LINE	10-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	9-Sep-09
FITNESS FOR DUTY	9-Sep-09
HPI ERROR REDUCTION TOOL REFOCUS	9-Sep-09
CORE AREA EMERGENCY OPERATIONS (AEO) TRAINING	9-Sep-09

My Training History

Course Title	Completion Date
ARRA NEW EMPLOYEE SAFETY ORIENTATION READ AND SIGN	3-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	2-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	1-Sep-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	31-Aug-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	27-Aug-09
1 DAY SUPERVISED FIELD EXPERIENCE	25-Aug-09
SCAFFOLD AND LADDER SAFETY FOR USERS	24-Aug-09
TWO-PERSON RULE	19-Aug-09
PERSON IN CHARGE (PIC)	18-Aug-09
PROCUREMENT PACKAGING HANDLING & STORAGE REQ'MENTS	18-Aug-09
INVENTORY CONTROL PTR	18-Aug-09
TRU WASTE REMEDIATION OVERIEW	18-Aug-09
WSRC QUALITY ASSURANCE ORIENTATION	17-Aug-09
F-CANYON TRU WASTE REMEDIATION FIRE WATCH BRIEFING	17-Aug-09
INVENTORY CONTROL BRIEFING	17-Aug-09
GENERAL NUCLEAR CRITICALITY SAFETY	14-Aug-09
F-AREA TRU WASTE DRUM HANDLER	14-Aug-09
CONFINED SPACE TRAINING	10-Aug-09
4B TRAINING AND QUALIFICATION PROGRAM MANUAL	10-Aug-09
GENERAL SUPERVISOR RESPIRATORY PROTECTION	10-Aug-09
SRS CONDUCT OF OPERATIONS	8-Aug-09
PLASTIC SUIT CUT OUT	7-Aug-09

Course Title	Completion Date
HAZARD ANALYSIS FOR WORKERS	6-Aug-09
BEHAVIOR BASED SAFETY TEAM SAFETY WORKSHOP (MOD 3)	5-Aug-09
BEHAVIOR BASED SAFETY BBS OBSERVER WORKSHOP(MOD 4)	5-Aug-09
BLOODBORNE PATHOGENS/FIRST AID/CPR	3-Aug-09
BLOODBORNE PATHOGENS/FIRST AID/CPR	3-Aug-09
24 HR. HAZARDOUS WASTE SAFETY & HEALTH TRAINING	30-Jul-09
24 HR. HAZARDOUS WASTE SAFETY & HEALTH TRAINING	30-Jul-09
24 HR HAZWOPER VERIFICATION	30-Jul-09
ABSORBING FREE AND CONTAINERIZED LIQUIDS	27-Jul-09
HUMAN PERFORMANCE IMPROVEMENT FUNDAMENTALS	24-Jul-09
RADIOLOGICAL WORKER TRAINING 2 INITIAL	23-Jul-09
RADIOLOGICAL WORKER TRANING 2 INITIAL	23-Jul-09
SRS CONDUCT OF OPERATIONS	20-Jul-09
F OPERATIONS PROJECT EMEGENCY PREPAREDNESS DRILL	16-Jul-09
HARMFUL PLANTS AND ANIMALS OF SRS	13-Jul-09
ARRA NEW EMPLOYEE SAFETY ORIENTATION	9-Jul-09
SAFETY BASIS (SB) TRAINING	9-Jul-09
LOW LEVEL WASTE MINIMIZATION CORE TRAINING	9-Jul-09
SWMF SAFETY ORIENTATION	8-Jul-09
WASTE GENERATOR/HANDLER AND VERIFIER	8-Jul-09
HCA FACILITY SPECIFIC NUCLEAR CRITICALITY SAFETY	7-Jul-09
BERYLLIUM ASSOCIATED WORKER TRAINING	6-Jul-09

My Training History

Course Title	Completion Date
BMP/SPCC/STORM WATER BRIEFING	6-Jul-09
SAVANNAH RIVER SITE LEAD COMPLIANCE PROGRAM	6-Jul-09
RCRA TRAINING FOR F-CANYON AND FB-LINE	6-Jul-09
F-AREA WASTE CERTIFICATION TRAINING	6-Jul-09
F-AREA FACILITY ENTRANCE TRAINING	6-Jul-09
RESOURCE CONSERVATION RECOVERY ACT "GEN" TRNG	6-Jul-09
HEARING CONSERVATION TRAINING	6-Jul-09
CORE AREA EMERGENCY OPERATIONS (AEO) TRAINING	6-Jul-09
NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS) AND THE	6-Jul-09
GENERAL EMPLOYEE TRAINING	30-Jun-09

SRS and the ARRA

You

Assimilated Us

Culture

Who we are



m-w.com

c : the set of shared Attitudes, Values, Goals, and Practices that characterizes an institution or organization

SRS has long been recognized as a model...

- **DuPont began what has**

■ *SRS has traditionally been the safest site in the DOE complex.*

■ *SRNS has embraced this tradition, and is continuing and strengthening programs such as Behavior-based Safety, the Human Performance Initiative, and ISMS.*

■ *Our “Culture” is what we believe, say, and do.*

■ **SRNS “hit the ground” with a focus on Industrial Safety, Conduct of Operations, and Radiological Safety.**

■ **A personal commitment to safety is a condition of employment.**

ARRA employees adopt the SRS safety culture including....

1. *Taking safety very seriously.*
2. *Taking responsibility for your own safety.*
3. *Watching out for your co-workers.*
4. *Listening, cooperating when others help/correct you.*
5. *Understanding your hazards, and how you'll deal with them, before you start to work.*
6. *Not assuming. Asking questions, communicating.*
7. *Listening to your instincts.*
8. *Taking a "timeout" any time something is, or may be wrong!*
9. *Reporting injuries, no matter how slight.*
10. *Value the LSIT's, BBS, Mentors, STR's, others...*

The tradition has continued under the ARRA . . .

- *There are no special considerations, dispensations, exemptions, exceptions, interpretations, or other escape hatches.*
- *There is increased interest, visibility, and scrutiny in safe execution of our work, from the White House on down.*
- *Neither job creation, nor acceleration, nor footprint reduction, nor any other initiative you hear about will “cover” for less-than-exemplary safety performance or lessen the consequences of safety failures.*
- *SRS has proven that we can do accelerated, hands-on field work with excellent safety performance by recently being awarded the VPP Star of Excellence Award.*

Paradigm *Shift*

- *Perceptions have changed about safety*
- *Appreciate hazards*
- *Habits at home changed*
- *Annoy family and friends with safety*
 - *Admin Asst more safety conscience at home.*
 - Poor husband. Robyn*

SRS and the ARRA

You

United us

Team Building

How do you take a group of people from 19 different states, and from as far as Alaska, and form them into a safely functioning work team?





Hawaiian Shirt Fridays



Team T-Shirts



Team T-Shirts



SRS and the ARRA

Together . . .

WE *maintain*
the Standard

Integrated Safety Management underlies everything we do.....



Some of the ways Safety is Integrated Daily

- ***Morning Meetings***
- ***Pre-Job Briefings***
- ***Post-Job Briefings***
- ***LSIT Involvement***
- ***BBS Observations***
- ***Hazard Analysis***
- ***HPI Tools***
- ***Monthly Safety Meetings***
- ***Safety Topics to begin class***
- ***Safety Engineers***
- ***Training, Training, Training***
- ***This is not all inclusive***

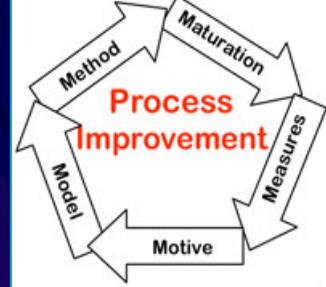
The top of the slide features two thumbs-up gestures in white sleeves against a dark blue background. The word "Kudos!" is centered in a light blue font.

Kudos!

- *Early immersion into SRS Culture*
 - *Continual Safety training*
- *Mixing the experience with the un-experienced*
 - *Hazard analysis*
- *Feedback and improvement*



Opportunities for Improvement



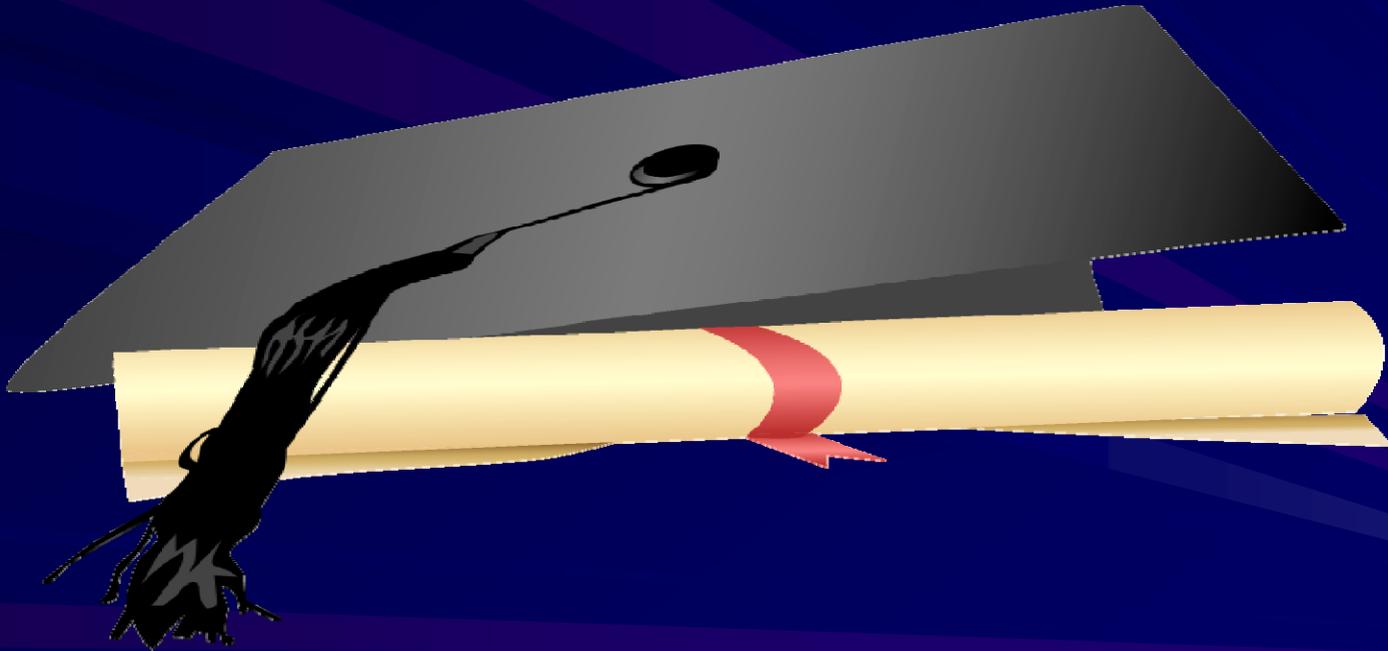
- Initial Start Up Planning felt a bit hurried
 - Roles not immediately clear
 - Trainers/Trainees - Side by side learning w/ subject matter experts and trainers
- Communication of Schedule/Scope changes slow to reach work force and sometimes confusing

Take-Away

- *You have a better understanding of who the ARRA participants are*
- *You see that you trained us well*
- *You see that training has paid off*

Thank You

Opportunity to Learn



Thank You

Opportunity to Earn



Thank You

Opportunity to Give Back



Give Back

Give, and it will be given to you. A good measure, pressed down, shaken together and running over, will be poured into your lap. For with the measure you use, it will be measured to you.

Luke 6:38

QUESTIONS

** No hard ones please*