

## NC Job Risk Assessment

<b>Name(s) of Risk Team Members:</b> L. Davis, D. Elling, R. Sabatini	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title: Generating Hazardous Waste and Satellite and 90-Day area operation</b>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Number or Job Identifier: NC-JRA-010</b>						
<b>Job Description:</b> Operating and maintaining 90-Day and satellite accumulation areas.	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional):	<b>Likelihood (D)</b>	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: R. Sabatini Date:5/16/2011 Rev. #: 1						

Job Step / Task	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls					% Risk Reduction	
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C		Likelihood D
Weekly inspection of 90-Day Area	Chemical injury to skin or eyes from hazardous waste	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	3	2	2	12							
	Poisoning from toxic hazardous waste (inhalation, skin absorption)	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	3	2	2	12							

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Weekly inspection of 90-Day Area (cont.)	Cuts or chemical exposure due to broken containers	PPE, training, careful handling of waste containers	N	1	3	2	2	12							
	Combustion or explosion of hazardous materials	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	3	3	2	18							
Storing containers of Hazardous Waste in a SAA and 90-day area	<b>SPILL:</b> due to container failure may result in explosion or fire from flammable/combustible materials coming in contact with an ignition source or chemical reaction.	Segregation of incompatibles, chemical storage cabinets, PPE, work planning/experimental review, ventilation, secondary containment, spill response and spill cleanup kits, use of safer substitutes, Tier 1 inspections, container labeling, area posting, self-life monitoring, containers specific for the hazard and operation, training, applicable subject areas.	N	1	4	3	2	24							
Moving containers of hazardous waste from SAA to 90 day area	<b>SPILL:</b> due to dropping container may result in explosion or fire from flammable/combustible materials coming in contact with an ignition source	Work planning/experimental review, spill response, spill kit, eyewash and showers, Tier 1 Inspections, container labeling, containers specific for the hazard and operation, training, applicable subject areas, secondary containment.	N	1	4	3	3	36							
	<b>SPILL:</b> due to dropping container may result in exposure to toxic materials or corrosive splash	Work planning/experimental review, PPE, spill response, Tier 1 inspections, container labeling, containers specific of the hazard and operation, training, applicable subject areas, secondary containment.	N	1	4	3	3	36							

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Hazardous material handling (adding or removing waste) in satellite and 90-Day area	Mixing incompatible chemicals	Administrative controls, procedures, training, Limited access areas/locked, MSDS	N	1	3	3	2	18							
	Chemical injury to skin or eyes from hazardous waste	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	3	2	2	12							
	Breaking container while opening or handling, causing cuts or chemical exposure	PPE, training, careful handling of waste containers	N	1	3	2	2	12							
Hazardous material handling (adding or removing waste) in satellite and 90-Day area	Poisoning from toxic hazardous waste (inhalation, skin absorption)	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	3	2	2	12							
	Combustion or explosion of hazardous materials	Procedures, compliance with regulations, Training, MSDS, PPE, postings, segregation, spill cleanup equipment, Tier 1, contingency plan	N	1	4	3	2	24							

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	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying	Training, PPE, work planning, manual lift weight limit	N	1	4	3	3	36							
Disposal of Sharps	Cuts, puncture wounds, exposure to infectious and hazardous materials	Sharp containers, area posting, tier 1 applicable subject areas, work planning/experimental review	N	1	4	2	2	16							

<b>*Risk:</b>	<b>0 to 20</b>	<b>21 to 40</b>	<b>41-60</b>	<b>61 to 80</b>	<b>81 or greater</b>
	<b>Negligible</b>	<b>Acceptable</b>	<b>Moderate</b>	<b>Substantial</b>	<b>Intolerable</b>