

EXAMPLE: RISK ASSESSMENTS (Logistics: Regional or Long Haul)

Logistics

Activity: ROAD TRANSPORT: 2.2

Number	Process	Sub-process	Hazard	Consequence	Probability	Risk	Manageability	Overall Risk	Action necessary or Control Process in place	Responsible	Target date	Residual risk	OK ?	
	Fuel Delivery	Own Fleet												
2	2	1	Fuel Delivery	Emergency Call Out/ Response Plan / Poor Communications	Late Response / Inappropriate Response (to Roll Over)	3	3	9	L	27	Business Unit - poor communications can lead to inappropriate local action and control leading to uncontrolled response. Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training/ Emergency response)			
2	2	3	Public Road Transport	Drive Empty road tanker travel	Driver or third party injury - due to road accident	3	3	9	M	18	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving)			
2	2	4	Fuel Delivery	Drive loaded road tanker to Retail station, CI customer's Site , Airport / Depot Bridging (Roll Over)	Driver or third party injury - due to road accident - spillage / fire / explosion	3	3	9	M	18	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training/ Emergency response)			
2	2	5	Fuel Delivery	Hijack	Theft of Fuel	3	2	6	L	18	Major exposure in Business Unit. Evaluate the local risk, seek group security advice, raise staff awareness.			
2	2	6	Road Transport	Fuels / Luboil Bulk Delivery / Small Pack Distribution	Road Accident (spillage) and Injury (Roll Over / Shed Loads)	3	3	9	M	18	Contractor operations. India and Middle East (Perception is less dangerous?) Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	2	7	Fuel Delivery	Drive road tanker to Retail station or CI customer's site	Spillage of products - due to road accident	2	3	6	M	12	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Emergency Response)			
2	2	2	Fuel Delivery	Drug and Alcohol Abuse	Driving Accident	3	3	9	H	9	Major exposure in Russia. Adopt NWRA Group Policy and ensure compliance regionally			
2	2	8	ENGINEERING	Maintenance Defect and / or system failure	Leading to Road Accident or Mishap during Loading	3	3	9	H	9	Set NWRA Standards, Safe Loading Pass Scheme, Contract Purchasing Guideline			
2	2	9	LOADING	Load fuel into road tanker at Terminal	Oil spillage - due to overfilling	2	3	6	H	6	Complete Task Analysis and Training Needs Analysis Implement Training Programme [Operator Training/Emergency Response)			
2	2	10	Fuel Delivery	Discharge fuel into Retail station or CI customer's tanks	Oil spillage - due to overfilling of retail station or CI customer's tanks	2	3	6	H	6	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	2	11	Measurement	Fraud	Terminal metering or short discharge	3	2	6	H	6	Evaluate the local risk, seek group security advice, raise staff awareness. Include in contract, raise awareness, ensure daily reconciliation, monitor compliance.			
2	2	12	Sales	Labelling and Product Information	Lack of M/SDS's & emergency response capability,	2	3	6	H	6	All users of company product should have access to company M/SDS. Ensure every product has M/SDS - issued appropriately. Local translation can be an issue. Visual Signs on packaging for illiterate users.			

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2	2	13	LOADING	Load / Discharge fuel	Spillage & Fire - Drive Away without disconnection	2	2	4	H	4	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	2	14	Fuel Delivery	Loading/Discharge	Oil spillage - due to hose miss-handling	2	2	4	H	4	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	2	15	Fuel delivery to retail station	Checking ullage in tank compartment before & after fuel discharge	Driver or station personnel injury - due to fall from top of road tanker.	2	2	4	H	4	Create awareness by highlighting potential hazards to station staff via Territory Managers Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	2	16	LOADING	Load fuel into road tanker at Terminal	Explosion & fire - due to static electricity	3	1	3	H	3	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training/Emergency Response)			
2	2	17	LOADING	Load / Discharge fuel	Driver injury - fall from road tanker	2	1	2	H	2	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	2	18	Fuel Delivery	Discharge fuel into Retail station or CI customer's tanks	Explosion & fire - due to static electricity and external ignition sources	2	1	2	H	2	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training/Emergency Response)			
			Fuel Delivery	Contractor Selection										
			Secondary Transport	Use of Contractors										
2	2	19	Fuel Delivery	Long Haul Delivery	Driver Fatigue leading to road accident	3	3	9	M	18	Tachographs / onboard computers to monitor driver performance and working conditions			
2	2	20	Measurement	Fraud	Terminal metering or short discharge	3	3	9	M	18	Include in contract, raise awareness, ensure daily reconciliation, monitor compliance.			
2	2	21	Fuel Delivery	Emergency Call Out/ Response Plan / Poor Communications	Late Response / Inappropriate Response	3	3	9	M	18	Business Unit - poor communications can lead to inappropriate local action and control leading to uncontrolled response Complete Task Analysis and Training Needs Analysis Implement Training Programme (Emergency Response)			
2	2	23	Public Road Transport	Drive Empty road tanker travel	Driver or third party injury - due to road accident	3	3	9	M	18	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving)			
2	2	24	Fuel Delivery	Drive loaded road tanker to Retail station, CI customer's Site, Airport / Depot Bridging (Roll Over)	Driver or third party injury - due to road accident - spillage / fire / explosion	3	3	9	M	18	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	2	25	ENGINEERING	Maintenance Defect and / or system failure	Leading to Road Accident or Mishap during Loading	3	3	9	M	18	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving)			

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2	26	Fuel Delivery	Hijack	Theft of Fuel	3	2	6	L	18	Major exposure in Business Unit. Evaluate the local risk, seek group security advice, raise staff awareness.			
2	27	Road Transport	Fuels / Luboil Bulk Delivery / Small Pack Distribution	Road Accident (spillage) and Injury (Roll Over / Shed Loads)	3	3	9	M	18	Contractor operations. India and Middle East . Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	28	Fuel Delivery	Load / Discharge fuel	Oil spillage - due to hose miss-handling	2	3	6	M	12	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	29	Fuel Delivery	Discharge fuel into Retail station or CI customer's tanks	Oil spillage - due to overfilling of retail station or CI customer's tanks	2	3	6	M	12	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	22	Fuel Delivery	Drug and Alcohol Abuse	Driving Accident	3	3	9	H	9	Major exposure in Russia Adopt NWRA Group Policy and ensure compliance regionally			
2	30	Fuel Delivery	Load / Discharge fuel	Spillage & Fire - Drive Away without disconnection	2	2	4	M	8	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	31	Fuel Delivery	Discharge fuel into Retail station or CI customer's tanks	Explosion & fire - due to static electricity and external ignition sources	2	2	4	M	8	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	32	ENGINEERING	Tank Failure or Leakage	Oil spill and fire risk	3	2	6	H	6	New facility design, modification, and acquisition to be subjected to formal Project Safety Review). All sites to be reviewed periodically dependent on Risk (Seveso Directive). Permit system to be enforced.			
2	33	LOADING	Load fuel into road tanker at Terminal	Explosion & fire - due to static electricity	3	1	3	M	6	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	34	LOADING	Load fuel into road tanker at Terminal	Oil spillage - due to overfilling	2	3	6	H	6	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)			
2	35	Sales	Labelling and Product Information	Lack of M/SDS's, emergency response capability,	2	3	6	H	6	Apply Group Standard			
2	36	Fuel Delivery	Load / Discharge fuel	Driver injury - fall from road tanker	2	1	2	M	4	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			
2	37	Fuel delivery to retail station	Checking ullage in tank compartment before & after fuel discharge	Driver or station personnel injury - due to fall from top of road tanker.	2	2	4	H	4	Create awareness by highlighting potential hazards to station staff via Territory Managers Complete Task Analysis and Training Needs Analysis Implement Training Programme (Operator Training)			

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2	2	38	Fuel Delivery	Discharge Fuel into Retail Station or C&I Customer tanks	Explosion & fire - due to static electricity and external ignition sources	2	1	2	H	2	Complete Task Analysis and Training Needs Analysis Implement Training Programme (Defensive Driving/Operator Training / Emergency Response)				