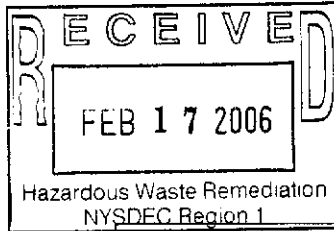


**ERM**



Work Order # 0006435

## PROJECT HEALTH AND SAFETY PLAN

This form, in conjunction with ERM's Health and Safety Guidance Manual, is intended to provide health and safety guidelines for project field activities where a more detailed and exhaustive HASP is not necessary. The activities described here should be conducted using good work practices and judgements consistent with OSHA and training.

The Project Manager or designated Site Safety Officer must ensure that all project personnel review and sign this form, and document these activities in the project file.

For all items on this form, attach additional pages as necessary.

<b>Administrative Information</b>	Site Name and Location Konica North Lot Glen Cove, NY	
	Client Konica Minolta Graphic Imaging (KMGI)	
	Project Name Pre-Design Investigation - North Lot	
	Health & Safety Plan Date 2/3/06	Revision Number and Date
	Project Start 3/1/06	Project End Date 3/31/06
	Project Manager John Mohlin	Principal-in-Charge Jim Rocco
	Project H&S Officer John Mohlin	Site Safety Officer Mike Mattern

<b>Site/Project General Information</b>	<p><b>Scope of Work</b>  Install 6 piezometers with direct-push equipment and collect continuous soil samples, and one groundwater sample  Install 6 soil borings to 12 feet with direct push equipment and collect continuous soil samples, and one groundwater sample  Collect water levels  Survey the new piezometers locations</p>
	<p><b>History of Site</b>  Site formerly manufactured typewriter ribbons. Drums were previously disposed in the North Lot. Soil has been removed. Remediation system (GW Pump and Treat, SVE) operated from 1994 to 2001. Goal of this work is to assess remaining levels of contamination in the north end of the property, and to assess groundwater flow direction.</p>
	<p><b>Site Description</b>  Site is a paved parking lot adjacent to the active KMGI facility.</p>
	<p><b>Hazard Assessment Summary</b>  Primary chemical concern is with exposure to VOCs (particularly toluene), which have been detected in soil, groundwater, and soil gas. Physical hazards include working in a high traffic area and working with drilling equipment.</p>

<b>Chemicals of Concern</b>	<b>Chemical Name</b>	<b>PEL/ TLV</b>	<b>Highest Reported Concentration</b>			<b>Site Location/Source</b>
			<b>Air</b>	<b>Water</b>	<b>Soil</b>	
	Toluene	200 ppm		33.6 ppm	208 ppm	AIW-702 for water TMP-2 for soil
	Benzene	1 ppm		0.023 ppm		VRW-203
	Ethylbenzene	100 ppm		0.8 ppm	0.003 ppm	VRW-202 in groundwater / SB-04 in soil

	Xylenes	100 ppm		7.24 ppm	0.015 ppm	VRW-202 in groundwater / SB-04 in soil
	Chloroethane	1000 ppm		0.073 ppm		VRW-203
	1,2- Dichloroethane	50 ppm		0.001 ppm		AIW-714
	Acetone	1000 ppm		0.133 ppm	0.204 ppm	VRW-203 in groundwater / SB-04 in soil
	Cis-1,2- Dichloroethene	200 ppm		0.006 ppm		VRW-202
	2-Butanone	200 ppm		0.722 ppm	0.012 ppm	VRW-203 in groundwater / SB-08 in soil
	1,1- Dichloroethan e	100 ppm		0.011 ppm		VRW-203

<b>Other Hazards of Concern</b>	O <sub>2</sub> Deficiency		Aboveground Utilities	x
	Heavy Equipment	x	Animals, Insects	
	Heat/Cold Stress	x	Poisonous Plants	
	High Noise	x	Radioactive Materials	
	Slips, Trips, Falls	x		
	Underground Utilities	x	Other: Traffic	x

<b>Air Monitoring Action Levels</b>	Constituent	Action Level (ppm)	Level of Protection	Monitoring Instrument
	VOCs:	5 ppm	C	PID
		If PID reading exceeds 5 ppm for > 10 minutes, then engineering controls shall be used to reduce vapor concentration to less than 5 ppm, or respiratory protection must be used.		
	Metals:			
	Dust:			
	Oxygen:			

<b>Level of Protection</b>	Task	Level				
		A	B	C	Mod D	D
	Installation of sampling points and soil borings; sampling, water levels					X

<b>Personal Protective Equipment</b>  Req = Required Rec = Recommended NA = Not Applicable	Equipment	Req	Rec	NA	Equipment	Req	Rec	NA
	Steel Toe Boots	X			Hard Hat	X		
	Outer Disposable Boots				Safety Glasses with Side Shields	X		
	Coveralls or Long Sleeve Shirt & Pants	X			Indirect Vented (Splashproof) Goggles			
	Tyvek Suite				SCBA			
	Poly-coated Tyvek / Saranex Suite				Line Air Full faced Respirator			
	Fully Encapsulated Chemical Suite				Full Face Negative Pressure Resp			
	Hearing Protection	X			Half Face Negative Pressure Resp			
	Leather Gloves	X			Powered Air Purifying Resp			
	Outer Chemical Gloves				Other: Reflective safety vest or other high visibility clothing	X		
Inner Chemical Gloves	X							

<b>Work Zones</b>	Exclusion Zone: Vicinity of drilling activities; delineate with traffic cones and/or caution tape
	Contamination Reduction Zone:
	Support Zone:

<b>Site Access/Control</b>	Use traffic cones and /or caution tape to identify work areas. Site is an active parking lot. Be aware of vehicles and pedestrians. Use field and support vehicles to assist in blocking the work area.
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**Decontamination  
Procedures**

Dry brush boots to remove soil; Clean boots with water if needed. Remove all PPE and dispose in drums designated by KMGI. Wash hands and skin that may have come in contact with affected soil or groundwater. Dispose of any decon water in drums provided by KMGI.

**Medical  
Information/  
Accident  
Investigation**

Medical records for all ERM employees are kept by the Human Resources Department. Medical evaluations for contractors are kept by the contractor. See Section 5.0 of ERM's Health and Safety Manual for guidance on Medical Monitoring.

All accidents and injuries will be investigated using ERM Accident Investigation Procedures found in Attachment A of ERM's Health and Safety Manual. Completed accident investigation forms will be sent to the Regional Health and Safety Representative.

**Emergency  
Contacts**

Name and Address of Nearest Hospital:  
North Shore University Hospital  
101 Saint Andrews Lane  
Glen Cove, NY 11542

Hospital Phone Number: 516-674-7300

Route To the Nearest Hospital:  
Exit the site and make right onto The Place. Proceed 0.1 miles to Hill St. and make left. Go 0.3 miles to Landing Road and bear right. Go 0.1 miles and turn right onto North Cottage Row, and proceed 0.2 miles. Turn left at Brewster Street. After 0.1 mile, this becomes Forest Avenue. Continue 0.5 miles. Make right on Walnut Road. Go 0.1 miles and make right on Saint Andrews Lane.

**See attached map**

**Other Contact Information**

<b>Agency</b>	<b>Contact</b>	<b>City/Location</b>	<b>Phone Number</b>
Police Dept		Glen Cove, NY	516-676-1000 or 911
Fire Dept		Glen Cove, NY	516-676-0366 or 911
Ambulance			911
Plant Contact	Daniel Romeo	Glen Cove, NY	516-674-2706 cell 516-250-1220
Client Contact	Daniel Romeo	Glen Cove, NY	516-674-2706 cell 516-250-1220
Project Manager	John Mohlin	Melville, NY	631-756-8931 cell 516-315-6872
Project H&S Officer	John Mohlin	Melville, NY	631-756-8931 cell 516-315-6872
Site Safety Officer	Mike Mattern	Melville, NY	631-756-8971 cell 516-315-6645

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# Yahoo! Driving Directions

Starting from: **A** The Pl At Ellwood St, Glen Cove, NY 11542

Arriving at: **B** Glen Cove Hospital 101 Saint Andrews Ln, Glen Cove, NY 11542-2254 (516) 674-7300

Distance: 1.4 miles Approximate Travel Time: 3 mins

## Your Directions

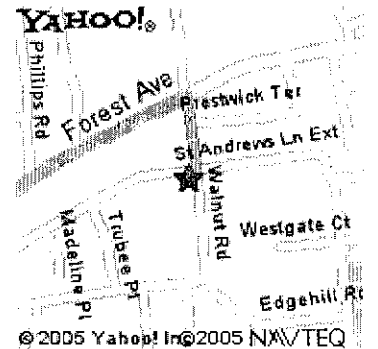
1.	Start on <b>THE PLACE</b> (at <b>THE PL &amp; ELLWOOD ST</b> in <b>GLEN COVE</b> ) going toward <b>TERRACE PL</b> - go <b>0.1</b> mi
2.	Turn <b>L</b> on <b>HILL ST</b> - go <b>0.3</b> mi
3.	Bear <b>R</b> on <b>LANDING RD</b> - go <b>0.1</b> mi
4.	Turn <b>R</b> on <b>N COTTAGE ROW</b> - go <b>0.2</b> mi
5.	Turn <b>L</b> on <b>BREWSTER ST</b> - go <b>0.1</b> mi
6.	<b>BREWSTER ST</b> becomes <b>FOREST AVE</b> - go <b>0.5</b> mi
7.	Turn <b>R</b> on <b>WALNUT RD</b> - go <b>0.1</b> mi
8.	Turn <b>R</b> on <b>ST ANDREWS LN</b> - go <b>&lt; 0.1</b> mi
9.	Arrive at <b>101 SAINT ANDREWS LN, GLEN COVE</b>

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

## Your Full Route



## Your Destination



Address:  
 Glen Cove Hospital 101 Saint Andrews Ln  
 Glen Cove, NY 11542-2254





**Health & Safety  
Plan Evaluation**

To evaluate the effectiveness of this health and safety plan and make future plans responsive to unexpected situations, the Project Manager or Site Safety Officer must complete the following and file a copy of this entire document with the Regional Health and Safety Representative.

Actual Dates of the Field Tasks:	Was the H&S Plan followed as Presented?		Was the H&S Plan Adequate?	
	Yes	No	Yes	No

Describe in detail any changes to the H&S Plan while on-site:

Reason For Change:

What Changes Would You recommend:

**Signatures**

Project Health and Safety Officer	Date:
Project Manager	Date:
Site Safety Officer	Date:

