ADVATEK SYSTEMS INC.

WORKPLACE

RISH ASSESSMENT

SECTION 17

Updated Jan 13 2014

ADVATEK SYSTEMS INC.

RISK ASSESSMENT POLICY

The following are the policy & practices for on site risk assessment prior to starting work. These policy and practices are to be used any time an employee is going on site to perform work. **This training is mandatory for all staff & contractors.**

Section 17.1 Identify the hazards

A. Upon arriving on job site the employee, contractors will identify what hazards exist (what can hurt you)

B. Assign a **Frequency** (how often will I encounter this hazard) **Grid B**

C. Assign a **Occurrence** (how likely is it to happen) **Grid C**

D. Calculate **Possibility** of the hazard using **Grid D** below

E. Assign a **Severity** (how badly will it hurt me / others) **Grid E**

F. Calculate the **Risk** of injury using Severity from (E) and Probability from (D) in **Grid F**

G. The resulting value is the Risk of injury **Grid G**

H. Once complete the employee should do what is required to stay safe. Put in place what ever controls are needed to prevent the hazard or mitigate the risk to an acceptable level.

Example: Jane works as a flag person on the road what hazards and risks would she face.

On a back country road low speed limit

Hazard = Been hit by a passing car

Frequency = 1

Occurrence = 4

Possibility = B

Severity = 3

Risk Level = 9 (Moderate Risk—Take precaution … PPE)

On a primary highway near major city center, high speed limit

Hazard = Been hit by a passing car

Frequency = 1

Occurrence = 1

Possibility = A

Severity = 1

Risk Level = 1 (High Risk— Precaution, Add a bumper truck at site and pylons at least 1 KM in advance of work)

GRID B	
Frequency	**Occurrence**
1. Continuous	1. Very Likely (has happened or expected to)
2. Frequent (Daily)	2. Likely (probable—it could happen)
3. Occasional (once per week)	3. Rare (seldom but possible)
4. Unusual (once per month)	4. Very Rare (very seldom but possible)
5. Rare (few per year)	5. Very unlikely (slight possibility)
6. Very Rare (yearly or less)	6. Practically impossible

GRID C	
Frequency	**Occurrence**
1. Continuous	1. Very Likely (has happened or expected to)
2. Frequent (Daily)	2. Likely (probable—it could happen)
3. Occasional (once per week)	3. Rare (seldom but possible)
4. Unusual (once per month)	4. Very Rare (very seldom but possible)
5. Rare (few per year)	5. Very unlikely (slight possibility)
6. Very Rare (yearly or less)	6. Practically impossible

GRID E	
Frequency	**Occurrence**
1. Continuous	1. Very Likely (has happened or expected to)
2. Frequent (Daily)	2. Likely (probable—it could happen)
3. Occasional (once per week)	3. Rare (seldom but possible)
4. Unusual (once per month)	4. Very Rare (very seldom but possible)
5. Rare (few per year)	5. Very unlikely (slight possibility)
6. Very Rare (yearly or less)	6. Practically impossible

Occurrence

Frequency	**1**	**2**	**3**	**4**	**5**	**6**
1	A	A	B	C	C	D
2	A	B	B	C	D	D
3	B	B	C	D	D	D
4	B	C	C	D	D	E
5	C	C	D	D	E	E
6	C	D	D	E	E	E

Grid D (PROBABILITY OF HARM)

Probability

Severity	**A**	**B**	**C**	**D**	**E**
1	1	2	4	7	11
2	3	5	8	12	16
3	6	9	13	17	20
4	10	14	18	21	23
5	15	19	22	24	25

Grid F (RISK LEVEL)

Risk Level	Assesment
HIGH 1—6	Serious or significant hazard—a high priority for immediate control or elimination
MODERATE 7—15	Moderate hazard—medium priority for control as soon as possible
Low 16 +	Minor hazard—lower priority for control after higher priorities