



**De La Salle University – Dasmariñas**

**Implementation and Monitoring of Safety  
in the Die-Cast Section  
of Cavite Nagano Seiko, Inc.  
to Reduce Health and Safety Hazard**

**An Undergraduate Thesis**

**Presented to**

**The Faculty of the College of Technology  
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**In Partial Fulfillment  
of the Requirements for the Degree  
Bachelor of Science in Industrial Technology**

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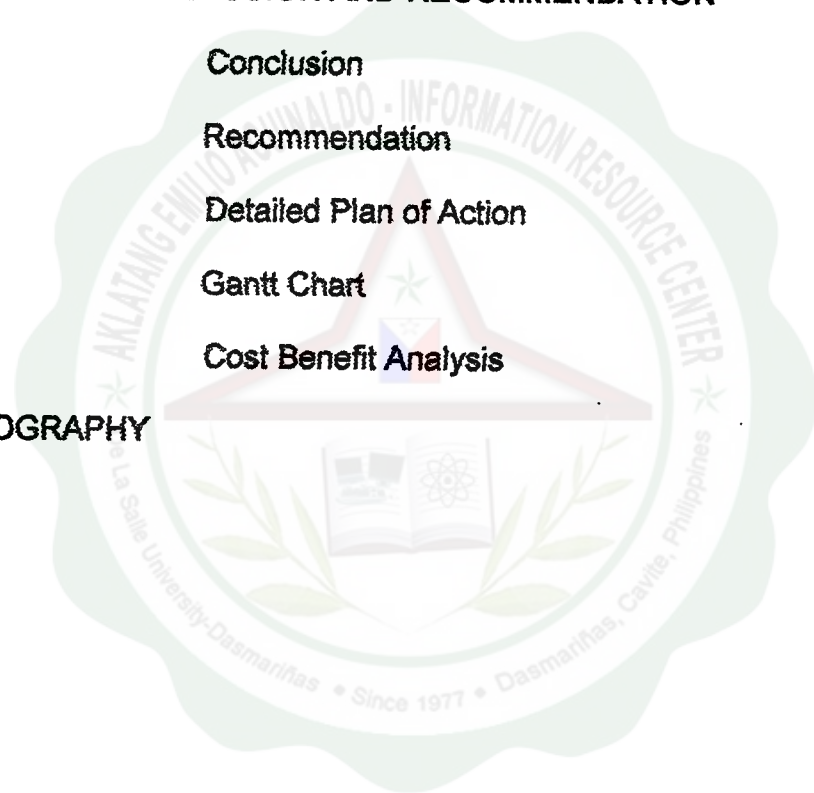
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## CHAPTER V

### CONCLUSION AND RECOMMENDATION

#### CONCLUSION

Safety shall be the primary concern of the management to avoid precious man-hour loss, injuries and accident. Everyone wants a safe and healthful workplace, but what each person is willing to do to achieve this objective. It is equally important that workers are adequately informed of nature of the occupational hazards they may be exposed. Workers should always have the right to remove themselves from a work situation which they have reasonable justification to believe presents an imminent and serious danger to their life or health.

This can be obtained by implementing the proposals. This solution will likely provide an additional cost to the company but will give much benefit not only to the company but also to the worker.

#### RECOMMENDATION

From the analysis of the alternatives, I believe that the best counter measure that will provide an optional solution to the existing problem is choosing the alternative courses of action one (1) and two (2), which is to



provide additional tools and equipment for safety purposes and create safety manual and procedure and proper ventilation (exhaust fan). The alternative courses of action one (1) and two (2) is the best solution in solving the problem. The assurance of safety increase to the workers, illness, injuries and personal allowances cause by the fume and dust will be lessen.

They would benefit more in this alternative, though it may cost them about P168,524 to build and improve the section's working area.

### 1. Exhaust Fan

One of the concern and responsibility of the management is to improve safety and to prevent some hazardous condition the proposal will control and dilute the contaminated atmosphere .It renew the air in the workplace, therefore diluting eventual air contaminants to acceptable level.

Problem:

- Smoke that the die cast operator inhaled during operator

Solution:

- Exhaust fan will help to prevent the inhalation of hazardously contaminated air (dust, fumes and smoke),



unsanitary condition and high or low temperature and humidity conditions.

Cost: P 159,695.00 (Contractors)

- 2. Provide additional tools for safety purposes, create safety manual and formulate technical guidelines and the implementation of these policies by department.**

The proposal can help the company to avoid accident and to eliminate undesirable working environment. Workers shall be provided with personal protective cover such as mask to prevent the inhalation of dust. Strict compliance to safety rules and regulations shall be enforced at all times in all the workplace. The safety manuals, safety sign and poster will properly set in the computer. It will be printed out and signed by the president of the company and then distributed to every section in the production area. Plan to organize and implement wearing of safety gadgets to everybody thru Occupational Safety Committee to avoid any accident that might happen in the future. Any body who will not obey this rules will be penalized by the management accordingly.



**Problem:**

1. Exposed in very high noise level comes from the machinery and combining noise from several source.
2. Gaseous emission from mechanical equipment.
3. Eye damage cause by splashing liquids, molten metal and intense heat.

**Solution:**

1. Provide hearing protection, maintain all machinery in good operating condition and orient workers to treat noise as their major concern and responsibility.
2. Provision of gas mask to operate sensitive to exhaust fumes.
3. Requires special protection ( Safety goggles)

Cost: P 8,829.00 ( A safety committee project)