



NATIONAL INSTITUTE OF LABOUR PROTECTION (NILP)

www.nilp.vn

VU DUY THANH



INTRODUCTION

- NILP under VGCL was established by the Government Council (now the Government) May 1st 1971.
- Being the leading National Institute among the State scientific and technological organizations signed by the Prime Minister, August 1st 1998.
- Personnel: NILP has more than 200 staffs including 01 professor, 48 Doctors of Science, PhD and Master of Science and more than 100 engineers, bachelors and medical doctors.

Sections under NILP at present

04 Scientific units:

- National Working Environment Monitoring Station
- Occupational Safety Centre
- Occupational health Centre
- Centre for consulting and transferring labour protection equipment

Two Sub-institute:

- Sub-Institute for OSH&EP in the South (Ho Chi Minh City)
- Sub-Institute for OSH&EP in the Central areas (Danang city)
- Labour Protection Review and Safety – Health & Working Environment Review

TRỤ SỞ KHỞI NGHIÊN CỨU CƠ BẢN VÀ TRẠM QUAN TRẮC, PHÂN TÍCH MÔI TRƯỜNG LAO ĐỘNG VIỆN NC KHKTBHLĐ TẠI 99 TRẦN QUỐC TOẢN - HÀ NỘI

Điện thoại: (84 - 04) 2172412/2972477 - Fax: (84 - 04) 8223010

E-mail: nilp@hn.vnn.vn - Website: www.nilp.org.vn

1st floor:

- Showroom of scientific research achievements and products
- Personnel and administrative division.
- Financial and Accounting department.
- Chief office
- First - Aid room
- Service unit.

2nd floor:

- Global Positioning System (GPS)
- International Co-operation
- Planning and Scientific management Department
- Seminar room and meeting room B
- General Director
- Archives

3rd floor:

- Vice - General Directors
- Expert room
- ESTEC Director
- Physical Hazard division
- 1 and 2 environmental technology divisions
- Office of National Station for working environmental monitoring

4th floor:

- Vice - General Director, Director of Occupational diseases and Ergonomics Centre
- Director of Occupational Safety Centre
- Technical and chemical safety division
- Personal Protective Equipment division
- Biochemical Laboratory of environment and occupational diseases
- Ergonomic-psychophysiology division
- Laboratory of trace elements

5th floor:

- Laboratory of respiratory system protection
- Laboratory of chemical safety
- Environment monitoring division
- Laboratory of gas chromatograph
- Laboratory of electrochemistry and Atomic absorption spectrometer
- Laboratory of water environment monitoring
- Laboratory of dust analysis
- Preservation room for air samples

6th floor:

- Laboratory of electromagnetic field
- Laboratory of microclimate and air environment
- Laboratory of lighting environment
- Meeting room C
- Laboratory of sound environment

7th floor:

- Library and reading room
- Meeting Hall
- unit of environment monitoring

8th floor:

- Laboratory of occupational physiology in humid-thermal condition



**TRỤ SỞ KHỞI TRIỂN KHAI ỨNG DỤNG KHCN, VIỆN NC KHKT BHLĐ
TẠI 216 (KM9) NGUYỄN TRÃI - THANH XUÂN - HÀ NỘI**

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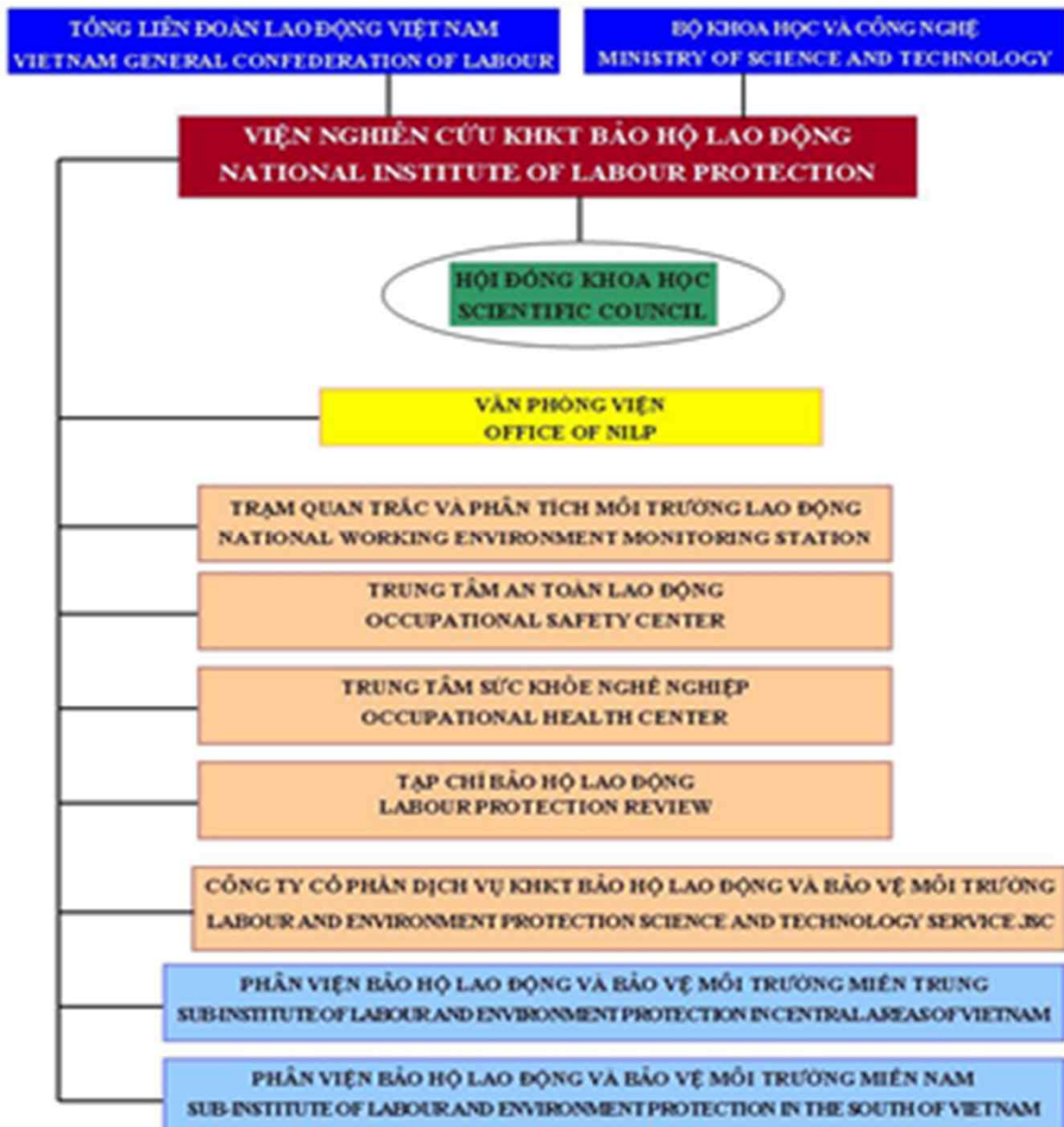


Nhà A+B

Nhà C

Block A + B		Block C	
1st floor: <ul style="list-style-type: none"> - Occupational health clinic - Administrative unit - Printing shop - Meeting Hall 	2nd floor <ul style="list-style-type: none"> - NILP Leader Duty Room - Editorial office of working environment and OSH magazine - Centre for consulting and transferring Labour protection equipment - Centre for OSH information promotion and training - Chief security - Meeting Room A and B 	3rd floor <ul style="list-style-type: none"> - Safety engineering training room - Safety engineering exhibition hall - Vietnam - Korea training centre 4th floor <ul style="list-style-type: none"> - Environmental training room - Occupational health films and training room - Working environment exhibition hall - Ergonomic and occupational health exhibition hall 	1st floor <ul style="list-style-type: none"> - People at work exhibition hall 2nd floor <ul style="list-style-type: none"> - Exhibition Hall about the Party and Government with OSH and EP 3rd floor <ul style="list-style-type: none"> - Exhibition hall about Trade Union with OSH and EP

SƠ ĐỒ TỔ CHỨC VIỆN NGHIÊN CỨU KHKT BẢO HỘ LAO ĐỘNG NILP ORGANIZATION STRUCTURE





Achievements

1. Fundamental science and policies

- Having prepared about 100 Vietnamese standards,
- Assisted the Government and VGCL to promulgate the policies, regulations as well as legal documents on OSH,
- Establishment of scientific basis to collaborate with related agencies consulting the Government to approve 25 insured occupational diseases,
- Building up some theories and calculating methods on environment and health,
- Production of some software of management and designing of OSH and EP.

Achievements of research and application

NILP has completed and presided:

- 54 scientific and technological subjects on OSH & EP at the State – Level,
- 385 subjects on OSH and EP at the level of Ministry, industry, city, etc,
- 1200 application projects to improve working conditions and ensure employees' health,
- 16 pilot projects have been completed, given to market and technology transferred, 53 products have been produced and served for improving working conditions,
- 02 projects (Project No.7 of 2006-2010 stage and Project No.4 of 2011-2015 stage) of the National Program on Labour Protection.



2. Applied science

- Research, design and manufacture of cleaning devices, wastewater and hazardous waste treatment that suitable for Vietnamese conditions.
- Research and manufacture of specialized PPE: safety-oil shoes, safety helmets, safety belts, anti-heat clothes...to protect employees working in Vietnam conditions.
- Research and manufacture of safety equipments: automatic cutting-off power machines, safety harvesting machines, anti-vibration equipment, saving energy lighting systems which are ordered by many enterprises.
- Monitoring environment working for more than 300 company every year (include environment in door and out door)



Awards

- 9 VIFOTEC Awards (creative work),
- 2 Vietnam Environment Awards,
- 8 gold medals and cups for science-technology products.



3. Information, promotion and training

- Annual Publication : 02 issues of OSH and Working Environment Magazine; 02 OSH Newsletters in English (delivered to 50 nations and territories).
- Compilation and publication: 72 books, guidance and training materials.
- Production of 105 broadcasting and TV programs on OSH &EP.
- Organization of 1,151 training courses for more than 60,000 turns of union staffs, technical staffs and employees.
- Collaboration with universities to educate nearly 2,000 engineers and bachelors and supervise 21 Doctoral theses and 63 Master degree theses.



International Cooperation

- Member of Asia Pacific Occupational Safety and Health Organization (APOSHO),
- Collaborating CIS/ILO centre in Vietnam,
- NILP has wide international cooperation with organizations in the region and in the world such as: JISHA (Japan), KOSHA (Korea), IST (Switzerland), APHEDA (Australia), OXFAM (Belgium), BAuA (Germany), FIOSH (Finland), ... and universities: NIIH, IEOH (Japan), NIOSH (Malaysia, Thailand, China)...



NATIONAL WORKING ENVIROMENT MONITORING STATION (WEMOS)

Having 4 Division

1. Office of WEMOS
2. Environmental Supervision and Analysis
3. Research and development environment technology
4. Supervision product equipment environment

ENVIROMENT SUPERVISION AND ANALYSIS (ESA)

Having 2 group

1. Survey and sampling at location
2. Analyzing at laboratory

Lab followed ISO/IEC 17025: 2005 and ISO 9001: 2008

ISO/IEC 17025:2005: *General Requirements for the competence of testing and calibration laboratories*

ISO 9001:2008 Quality Management Systems



ENVIROMENT SUPERVISION AND ANALYSIS

Main function

1. Monitoring and analysis working environment
2. Analysis chemical, biological, physical
3. Monitoring environment inside and outside
4. Research and development environment treatment.



ANALYSIS ENVIROMENT

1. Monitoring physical (condition, light, noise)
2. Analysis chemical
 - Inorganic: gas (NO_2 , SO_2 , CO_2 , metal...)
 - organic: Metal, Toluene, benzene, Styrene, pesticide (in water, waste solid, soil...)
1. Monitoring environment inside and outside
2. Research and development environment treatment.

Equipment of WEMOS



Burets auto Titration



Some Pump

Equipment of WEMOS



AAS 600 and AAS 400 PerkinElmer



GC 2010 Shimadzu

Equipment of WEMOS



Spectrometer of PerkinElmer



HPLC PerkinElmer

Equipment of WEMOS



Auto Titration of Mettler toledo



Vol-ampe Analyzing

Equipment of WEMOS



Auto Titration of Mettler toledo



Vol-ampe Analyzing

ACTION OF MONITORING



Sampling outdoor



Sampling organic in outside

ACTION OF MONITORING



Sampling water



Sampling waste water

ACTION OF MONITORING



Sampling Microorganisms in the air at Feed factory

ACTION OF MONITORING



Fungi in the air at Feed factory

ACTION OF ANALYSIS



Identification *Aspergillus niger*



Identification *Aspergillus flavus*



MOTIONAL

1. Having more than co-research between NILP and KOSHA.
2. OSHTI and NILP with built a new protocol project about “Effect of airborne to worker”



Thank you for your attention!