Medical and Clinical Research: Open Access

Case Report

Relation of Typhoon, Global Warming, NOx, and NOx Elimination

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Received: September 01, 2024; **Accepted:** October 02, 2024; **Published:** October 10, 2024

Citation: Shoichiro Ozaki. Relation of Typhoon, Global Warming, NOx, and NOx Elimination. Med Clin Res Open Access. 2024; 5(1):1-4.

ABSTRACT

Many typhoons are happening by the global warming. Typhoon killed many persons. We must stop global warming. Since 7 developed countries started NOx elimination in 1980, global warming started. Because compulsive NOx elimination by ammonia, nitrogen become scarer. CO2 assimilation is retarded. CO2 absorption decreased. Heat absorption decreased. Global warming started. We must stop global warming by stopping ammonia addition to the exit gas of electricity plant.

KEYWORDS

Typhoon, Global warming, CO2 assimilation, Plankton, NOx, Elimination of NOx by ammonia.

Introduction

The plant is growing by absorbing CO_2 and water making carbohydrate and oxygen absorbing energy. The earth is warmed by the heat evolved by the burning of fossil fuels. Global warming can be protected by promotion of CO_2 assimilation, by promotion of plant growth, by promotion of CO_2 fixing and heat absorption by providing enough N and P [1-64].

70 % of CO_2 assimilation is carried out at sea. The agitation of deep sea water (rich N,P) with pure nutrient sallow sea water and effective use of NOx in burned gas and P in drainage are powerful support for the promotion of plankton growth [22].

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$$4\,NO + 4\,NH_3 + O_2 \text{ ——-> } 4N_2 + 6\,H_20$$

This reaction kill two nitrogen fertilizer to give N_2 gas. Global warming started by this compulsive elimination of NOx by ammonia [44].

Addition of Ammonia to the Exit Gas of Electricity Plant Should Be Stopped Sooner [56-64]

Japan did no NOx elimination before 1970, DGP was 8.0 in 1970. Japan started NOx elimination in 1980. Then plankton production was destroyed and 13 million fish production decreased to 4 million tone. About 2 million fisherman lost job [37].

Agitation of deep sea sea water with shallow sea water promote plankton growth and fish production. Annual CO_2 fix by ocean plankton in the world is 2 billion tone. Therefore, fixing of CO_2 by plankton at sea is most important. Kuroshio current Japan (running water from south to north at west south coast of Japan) is clean and contain poor nutrition salt (phosphate salt, nitrates salt)

and poor in plankton and fish. Concentration of N and P of Surface sea was at 100km south of Muroto (south corner of Shikoku) is 1 micro g/ l, 0.3 micro g/l respectively. N. 33 micro g/l, P 2.9 micro g / l at 1000 m deep sea. Coral bleaching is reported at Sekisei reef lake at Okinawa, Japan in Sept 2016. Because no typhoon approach 2016 at this district, agitation was not enough to replace nutrient deep sea water (contain much nutrient nitrogen, phosphorous) with poor nutrient shallow sea water.

Coral bleaching is reported at Great Barrier Reef in 2016 June 6. I suppose no typhoon happened at easy Australia in 2016. Many hurricane attacking east south part of United State producing nutrient rich surface sea sea water and this Gulf current goes up to north producing much plankton and much CO_2 and heat absorption and producing much fish. Thunder produce many NOx. NOx is good fertilizer to give enough nitrogen [7]. In nitrogen rich sea water, plankton grow very quickly and much fish grow to absorb much CO_2 and heat.

Compulsive NOx elimination by ammonia at seven developed countries produced lack of nitrogen. Amount of NOx and NH_3 are huge. NOx elimination by NH3 give predominant lack of nitrogen fertilizer and decreased CO_2 assimilation, decreased heat absorption, produced global warming. If developed countries stop NOx elimination by ammonia, global warming will stop soon. NOx elimination by ammonia should be stopped sooner.

Global warming produce many typhoons. This year typhoon 10, 11, 12, 13, 14,15 and 16 happened. Many persons died by these typhoons. But much production of NOx might promote CO_2 assimilation and produce much fish and grain.

Summary

Typhoon will be reduced by stopping of global warming.
Global warming can be stopped by the promotion of CO_2 assimilation by supply of nutrient N and P by following 3 items. Stop the elimination of NOx by ammonia at power station, chemical station and iron station. Stop the elimination of N,P at drainage, river [22].

Throw away the rules to eliminate NOx by ammonia, throw away the rule to eliminate N,P in drainage, river, throw away the rule to inhibit bon fire, burning of scrap wood.

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