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By DAVID E. SANGER
Splialln The N!- Vntl Tim'-
Tt)Kt'O. Nov. 24 - Amid great so-
trecy, the Japanese Government will
statt importing shipments ol plutoni-
um sometime next year in lightly de-
fended sea convoys. each containing
enough material to make too to 150
atomir bombs.
, The purpose is not to make nuclear
weapons - a step Tokyo has lorsworn
smre the end oi World War ll - but to
take a major step toward energy inde-
pendence 1 he plutonium. tabricated in
lumpo irom Japan's spent nuclear
wusto. will luel conventional nuclear
.pnvu-r plants and n small group oi
tvartnrs that "breed" more plutonium
im rP-tlso
But even lielnre the iirsi shipment
mums the prospert oi transporting
_ and then storing ahout lot) tons olpluto-
nium, ioughly the amount contained in
thv- enun- American nueleat arsenal.
mt't' the next two to three tlerades hns
Intsod disturbing questions that the
.tnpnnvcr Government is relurtant tu
tlm uss In public
Fear nl Terrorist Action
Snnw Amettmn nlltt'ials and Jana-
nvw- rquts have exptessrtl loar thttt
lltt plutr-nunu will he an ttresistihitr
tmpm ltn thUliSlS The question oi
whether lllt' shipments can be ad-
tquately ptuterled will soon confront
the Bush Administration, which has the
tight to approve or reject the linal
security plan because the United States
supplied the original uranium luel used
in the Japanese reactors.
Japan's eliurt to create a "plutoni-
um ryrir" has also caused nervous-
nMS among many oi this country's
Asian neighbors III 'loltyu, critics as
sen deepite the Government's repeat-
ed assutnnces that the program will
inevitably create huge stockpiles ol one
(-i the most highly ttixic, highly radioac-
tive mate: ials on earth
The plan. conceived decades ago. has
put the Japanese Government in a par-
ticularly uttt'omioriable diplomatic po-
sition in the last lew months.
At the same time that the Governv
men! is demanding stronger nuclear
nnnI-toliteration measures, including
this abandonment by North Korea oi
nuclear reprocessing sites that are be
iinvnd to be part ol that country's sus-
pt-rted bomb project, Japan ls promot-
ing what may be the world's largest
reprocessing program at home.
1'.S. Abandoning Reprocessing
The United States has abandoned
iatgescale reprocessing. in part be-
cause at its lear ol nuclear prolllera- P9
lion and in part because the plummet-
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ing price at uranium has made the practite uneconontical Pressing the

case against North Korea last week .' t 'l a visit to South Korea, Deiense 5 erc'...'y Dick Cheney said. "South Korea. the United States and many 7 v gies have proven that repro-0 111p01f NEW YORK TIMES. November 25. 1991. mm! (titlo1410010I7 Japan plans to import shipments oi plutonium in lightly defended convoys to fuel conventional nuclear powu plants and a small group oi last-breeder cessing is not a necessary prerequisite to a legitimate civilian nuclear energy program." A Bush Administration oliieial said last week that the United States had seen only parts oi Japan's security plans lor transporting the plutonium. "but we do not yet have enough to say yes or no." v Ollets Only Vague Details "There is obviously a big ditierence between Japan and North Korea."lthe oiliciai said. But Tokyo's reprocessing plan, he added. "is definitely some. thing no one is really happy about. Japan uses enriched uranium in luel its conventional power reactors. Pluto nium ls created as a byproduct; it can be recovered by reprocessing and then used as another kind at reactor iuel. or it can be ttanslormed with relative ease into weapons-grade material The Japanese Government is allering only vague details about its plans, rhaps because it senses the political risks of the program both at home and abroad in response to inquiries about the safety oi the shipments. Japanese otiiciais say simply that they are taking appropriate measures to protect Sensitive to charges that it is seeking to ektend its military remit. Tokyo has ' Ll OlllLllll . YOUS .i reactors. such as lion in Tsuruga iuled out military escorts, The job (1 protecting the plutonium has been as signed to the Maritime Salety Agency". roughly the equivalent ol the Coast Guard, The plan is to use one lightly armed ship; the sea route. has not yet been decided, In an article on the Opal page oi The New York Times In A ril i990. Adm. Stanstield Turner, the ormer Director 0! Central intelligence, and Thomas Davies, the director oi nooprolileration at the Arms Control and Disarmament Agency. wrote that the "The United States should advise Japan promptly that its plutonium Ge curity plan is unacceptable." 0.5. Role in Last Shipment u A line Pentagon 'study written belore Congress barred Japan lrom llying the plutonium by air over Alasim

concluded that sea shipments pose enormous risks. "Even It the most

carelul precautions are observed." the report said, "no one could guarantee the saiety oi the cargo trom a security incident, such as an attack on the vessel by small, last craft, especially ii armed with modern antiship missiles.' On the one previous occasmn mat Japan moved plutonium by sea. in a single shipment in the early 1980ls, the United States Navy provind an escort, CS rear 'th lwveI-qtmt lwpuuih-t the Monju teactor.undcr eonstrucin the Fukui prelecturate. which "breed" more plutonium for re-use. Military oltieials said the shipment invoived satellite surveillance and ailected military preparedness. "It is not something we. can do again." said a Paradoxicaliy, a plan that was designed to take Japan's energy tuture out at loreign hands has in itselt be-

senior military olltcial in the Pacitic. come an international issue. "lhe Japanese would like to consid-

er this simply a domestic matter. in part because a whole industry has built up around its reprocessing plans, " said Paul Leventhai, the head oi the Nucleo ar Control institute, a Washington group that has opposed the plutonium Ian. "But it is just a matter oi time lore quantities of separated plutoni' urn that are. this large lttll into the wrong hands. And it establishes the wrong precedent."

in the I95ti's, when it first began to think about nuclear power. Japan set a long-term goal oi eventually relying on plutonium-lueled "last-breeder ' reactorst Because the reactors produce plutonium tor reuse, they greatly reduce the amount oi new uranium that needs to be imported,

Twenl years ago the country built its iirst aclliiy lor labrlcating plutoni. um tuel, called Tokai, and lollowed It with two experimental lasbbreeder reactors. But political disputes.with the

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Carter Administration. whirh was intent on limiting the construction oi new reprocessing centers around the world, delayed Japan's next major step, the construction 0! a major reprocessing site at Rokkasho-murn on the northeastern coast oi Honshu.

Vow by Activists

Because at technical hurdles and increasing antl-nltciear protests. that center. designed by the French to reprocess up to two tons oi. uranium a year. will not be ready until the end of the 199ti's, nearly a decade late. Antinuclear activists. who are gaining iniiuence In Japan, have vowed to make sure it does not open at all.

To stay on target in the interim. Japan signed contracts with Britain and France to repmress 4,500 tons oi spent Japanese. nuclear tuei. contracts that had the added henelit oi delaying the day when Japan had to hot! a permanent storage tarility tor its high ievel nuclear wastes. . Japan will not say how much plutonium it intends to import or burn all heth now and the year 2000, contending that there are too many unknowns to make an accurate forecast. Oddly, however. the Government has published projections to 2qu "By then. our hope is to have brought back or produced here about 80 or 90 tons oi plutonium, "Hiroshi Kimoto, the deputy director oi the nuclear energy division at Japan's Agency oi Natural Resources and Energy. said recently. "But the numbers are soil. We don't itnow when we will be able to stop relyin on Britain and France." In act, in estimates that it has shared with other countries. Mrt Kimo to's agency has projected that about 30 tons will be Shipped to Japan lrom Europe over the next nine years. That will mean up to a halldozen shipments a year across the oceanS. on a route that is still being hotly debated. But the question that no one can seem to resolve is whether Ja an will also be able to burn 30 tons ot net, as the Govemment insists. or whether its pm ections tot plutonium demand are wil iy optimistic. Studies Predlet Bl; Stoeltplies '

indeed, many studies suggest that Japan 'may be iorced to accumulate lame stockpiles untll Ita nuclear industry is prepared to use the plutonium. it is an enormously sensitive issue in Japan because there is little doubt that such stockpiles would prompt an outcry 1mm the populace.

"People are only now beginning to realize that handling such large amounts at plutonium will be a huge toxic hazard and will create a market in the most dangerous material used to make weapons," said Jinzaburo Taltagi, ti lormer nuclear engineer who is one at the most outspoken critics oi the plan "But Japan does not want to tell its own people about it." (v! QLII

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Nn one is suggesting, at least public- ,, iy, that Japan has anything but peace"lul uses in mind tor the plutonium." Nonetheless. the prospect at that much ' plutonium in use - more than intenih-j': tional inspectors can keep tracit at with enormous precision - has many oi the country's Asian neighbors nervous. "Without question Japan has the technical skills to matte a weapon," a Government otileial in South Korea

said earlier this year. "it seems toolish
to leave the raw materials around as
well." a

This year. tor the lirst time, the Japanese Government acknowledged that the plutonium it hopes to import . was a "militarily sensitive material." But it reasserteti that "Japan will not possess plutonium beyond the amount required to implement its nuclear lttel recycling progi am "Consensus Begins to Fray

Consensus Begins to Fray
The careiully honed mnsensus that
had been vital in the entire owrntion
has recently begun to tray With 47
percent til the Japanese telling Govern
ment poll takers Inst year that they
regarded nuclenr power as unsafe, the
Ministry lot international Trade and
industry has been unable to lntd sites
for new nuvlenr power plants. including the breeder reactors that are the
key to the whole plan.

. The Govemmentis solution has been to convert some existing highbwater reactors - designed to burn uranium, not plutonium - so that they can be lueled by the mixed-oxidc iuels made iron; the reprocessed plutonium. (.Ia-pan has no iaciiities tor manulacturing the tuel hy itselia)
Otticially. the Government plans to begin that process in 1995. But the utilities are dragging their leet. "The are certainly not enthralled about us-

utilities are dragging their leet. "They are certainly not enthralled about using plutonium," said Mr. Leventhal. in a comment echoed by many Japanese executives. "it is expensive. and it is ditierent." Moreover. uranium. which seemed in the 1970's to be a very scarce commodity, is now in oversupply and selling at record low prices. 'Dangerous In Power Form

Unless Japan breaks its contract with the European reprocessors, something the Japanese Government is loath to do. it will be Ielt with "mounting stocks of plutonium." concluded a report by Frans Berkhout, Tatsujiro Sulultl and William Walker that was published last year by the Massachusetts institute oi Technology. A third of the plutonium will be transported in powder term. but it cannot be stated in that state tor more than a iew years because It grows ever

more radioactive.
"The important thing tor us is not to have any excess plutonium in Japan."
Mr. Kimoto said. But he said he could not specily how that would be accomplished. because "we cannot make up a rigid consumption pvhn." t'